

COVER SHEET FOR JESSE'S BLUFF 3rd ADDITION

STREET AND DRAINAGE CONSTRUCTION PLANS

SEC. 13, T.26 N., R.42 E., W.M.
SPOKANE COUNTY, WASHINGTON

SPOKANE COUNTY ENGINEERS OFFICE
CONSTRUCTION PLANS

PROJECT # **17-1207**
DATE ACCEPTED **11/27/14**
ACQUAINTANCE ENGINEER **ALBERTA CIRCLE**
PROJECT LANE MILES **0.124**
CONTRACT LANE MILES **0.124**
DESIGNED BY **ALBERTA CIRCLE**
CHECKED BY **ALBERTA CIRCLE**
TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE RECORD AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED? **(509) 477-3000**
NOTIFY PERMIT FACILITIES FOR MAINTENANCE PRIOR TO CONSTRUCTION.

UNDERGROUND SERVICE ALERT

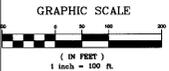
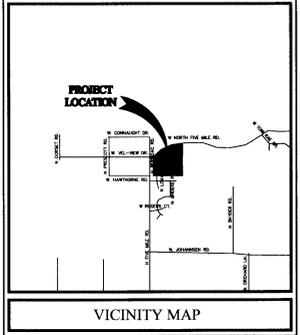
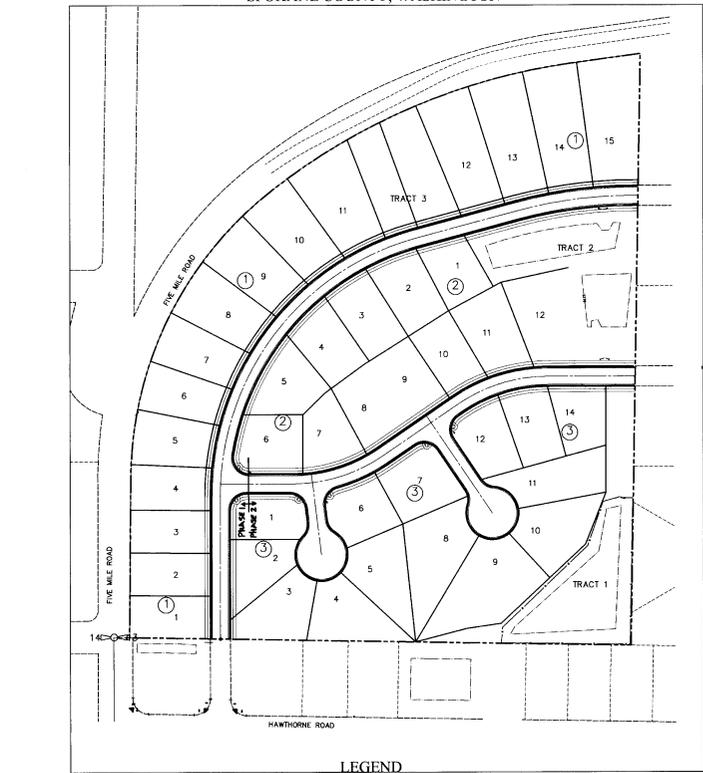
ONE-CALL NUMBER
1-800-424-5555
CALL BEFORE YOU DIG

Sawyers Engineering
104 S. Fremont
Blaine, WA 99006
Phone: (509) 744-0000
Fax: (509) 744-0000

GENERAL NOTES

- ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH THE "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION, 2001 EDITION", AND AS AMENDED.
- LOCATIONS OF EXISTING UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. ANY CONFLICTING UTILITIES SHALL BE RELOCATED PRIOR TO CONSTRUCTION OF ROAD AND DRAINAGE FACILITIES.
- THE CONTRACTOR IS REQUIRED TO HAVE A COMPLETE SET OF THE APPROVED ROAD AND DRAINAGE PLANS ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- IF THE CONTRACTOR DISCOVERS ANY DISCREPANCIES BETWEEN THE PLANS AND EXISTING CONDITIONS ENCOUNTERED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER, JOHN SAYMERS, P.E., @ 744-0300, THE SITE/PROJECT INSPECTING ENGINEER OR HIS REPRESENTATIVE, AND THE SPOKANE COUNTY ENGINEER'S OFFICE, CONSTRUCTION ENGINEER, @ 477-3800.
- FOR CONSTRUCTION OF DRYWELLS, INSTALL FILTER FABRIC, "AMOCO" 454S OR APPROVED EQUAL, BETWEEN THE WASHED DRAINROCK AND NATIVE SOILS PER SPOKANE COUNTY STANDARD DETAIL B-1c.
- PRIOR TO SITE CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. CALL THE UNDERGROUND UTILITY LOCATION SERVICE AT 1-800-424-5555, BEFORE YOU DIG.
- THE FLOOR OF A GRASSED PERCOLATION AREA (GPA) SWALE INCLUDES THE LEVEL PORTION OF THE FLOOR OF THE SWALE, AND THE SLOPES OF THE SWALE UP TO THE GPA OVERFLOW ELEVATION OR TOP OF DRYWELL. THE SOIL LOCATED IN THE FLOOR OF THE GPA SWALE SHALL BE A MEDIUM TO WELL-DRAINING MATERIAL, WITH A MINIMUM INFILTRATION RATE OF 0.5 INCHES PER HOUR. THE ENGINEER SHALL PROVIDE A WRITTEN STATEMENT WHICH VERIFIES THAT ALL GPA SWALES CONFORM TO THIS REQUIREMENT. THIS WRITTEN STATEMENT SHALL BE SUBMITTED TO THE SPOKANE COUNTY ENGINEER'S OFFICE PRIOR TO INSTALLING FINISHED LANDSCAPING/SOIL AND PRIOR TO FINAL ACCEPTANCE. THE SWALE FLOOR MATERIAL SHALL BE INSTALLED TO A NATIVE SOIL STRATUM WHICH ALSO MEETS OR EXCEEDS THIS MINIMUM PERCOLATION RATE OF 0.5 INCHES PER HOUR.
- ON-SITE GRADING SHALL BE IN ACCORDANCE WITH THE APPROVED GRADING PLAN AND ESC PLAN. ANY IMPORT OR EXPORT OF MATERIAL SHALL BE FROM A PREAPPROVED SOURCE/DESTINATION AND COORDINATED WITH THE SPOKANE COUNTY DEPARTMENT OF BUILDING AND PLANNING AT 477-3675. GRADING ON THIS SITE OR ANY OTHER SITE MUST COMPLY WITH ALL DEVELOPMENT REGULATIONS INCLUDING, BUT NOT LIMITED TO, GRADING PERMITS, SEPA REVIEW, TIMBER HARVEST PERMITS, CRITICAL AREAS, FLOODPLAINS, DESIGNATED DRAGWAYS, ETC.
- THE CONTRACTOR IS REQUIRED TO HAVE A VALID CONSTRUCTION PERMIT ON SITE AT ALL TIMES. THE ABSENCE OF THE PERMIT WILL RESULT IN AN IMMEDIATE SHUTDOWN OF WORK AND THE POSSIBLE REMOVAL OF THOSE ITEMS CONSTRUCTED WITHOUT THE PERMIT.
- THE CONTRACTOR SHALL MAKE AN EFFORT TO PROTECT ALL CATCH BASINS AND DRYWELLS FROM BEING CONTAMINATED WITH SILT BY INSTALLING FILTER FABRIC UNDER THE LID FOR AT LEAST 6 WEEKS, OR UNTIL THE ESTABLISHMENT OF GRASS AND/OR OTHER SITE CONSTRUCTION WORK HAS BEGUN. IN THE EVENT THAT SILT OR OTHER DELETERIOUS MATERIAL IS ALLOWED TO ENTER THE DRYWELLS OR CATCH BASINS THE CONTRACTOR WILL BE REQUIRED TO CLEAN OUT THE DRYWELL OR CATCH BASIN TO THE SATISFACTION OF THE CERTIFYING ENGINEER.
- THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH SPOKANE COUNTY AND ALL UTILITY COMPANIES WITH REGARD TO RELOCATIONS OR ADJUSTMENTS OF EXISTING UTILITIES DURING CONSTRUCTION AND TO ASSURE THAT THE WORK IS ACCOMPLISHED IN A TIMELY FASHION AND WITH A MINIMUM DISRUPTION OF SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PARTIES AFFECTED BY ANY DISRUPTION OF ANY UTILITY SERVICE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY INCLUDING, BUT NOT LIMITED TO, EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL, AND SECURITY.
- FOR WORK AFFECTING PUBLIC ROADWAYS OR IF REQUIRED BY SPOKANE COUNTY THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL AND PHASING PLAN, IN ACCORDANCE WITH MUTCD, FOR APPROVAL PRIOR TO ANY CONSTRUCTION ACTIVITIES WHICH OR AFFECTING THE RIGHT-OF-WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY AND ALL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED BY SAID PLANS. PRIOR TO INSTALLATION A PRECONSTRUCTION CONFERENCE SHALL BE HELD WITH SPOKANE COUNTY.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIALS NECESSARY FOR THE COMPLETION OF THE INTENDED IMPROVEMENTS SHOWN ON THESE DRAWINGS OR DESIGNED TO BE PROVIDED, INSTALLED, CONSTRUCTED, REMOVED OR RELOCATED UNLESS SPECIFICALLY NOTED OTHERWISE.
- PER AGENCY STANDARDS THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION DEBRIS AND DIRT TRACKED FROM THE SITE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING RECORD INFORMATION ON A SET OF RECORD DRAWINGS KEPT AT THE CONSTRUCTION SITE AND AVAILABLE TO THE SPOKANE COUNTY INSPECTOR AT ALL TIMES.
- DIMENSIONS FOR LAYOUT AND CONSTRUCTION ARE NOT TO BE SCALED FROM ANY DRAWING. FOR ADDITIONAL INFORMATION CONTACT THE ENGINEER FOR CLARIFICATION AND NOTE ON THE RECORD DRAWINGS.
- ALL EROSION AND SEDIMENT CONTROL (E.S.C.) MEASURES SHALL BE INSTALLED AT THE LIMITS OF CONSTRUCTION PRIOR TO GROUND-DISTURBING ACTIVITY. ALL E.S.C. MEASURES SHALL BE IN GOOD REPAIR BY THE CONTRACTOR UNTIL SUCH TIME AS THE ENTIRE DISTURBED AREA ARE STABILIZED WITH HARD SURFACE OR LANDSCAPING.
- THE CONTRACTOR SHALL SEQUENCE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO MINIMIZE POTENTIAL UTILITY CONFLICTS. IN GENERAL, STORM SEWER AND SANITARY SEWER SHOULD BE CONSTRUCTED PRIOR TO INSTALLATION OF WATER LINES AND UTILITIES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL UTILITY RELOCATIONS CONSISTENT WITH THE CONTRACTORS SCHEDULE FOR THIS PROJECT. WHETHER SHOWN OR NOT SHOWN, AS IT RELATES TO THE CONSTRUCTION ACTIVITIES CONTEMPLATED IN THESE PLANS.
- ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY IS SUBJECT TO THE JURISDICTION OF THE SPOKANE COUNTY ENGINEERING DEPARTMENT STANDARD DETAILS AND SPECIFICATIONS.
- ALL CONSTRUCTION OPERATIONS, INCLUDING THE WASHING UP, REPAIR, ARRIVAL, DEPARTURE OR RETURN OF TRUCKS, EARTH MOVING EQUIPMENT, CONSTRUCTION EQUIPMENT AND ANY OTHER ASSOCIATED EQUIPMENT SHALL GENERALLY BE LIMITED TO THE TIME PERIOD APPROVED BY SPOKANE COUNTY.
- BASED ON A REQUIREMENT FROM SPOKANE COUNTY, THE ENGINEER OR HIS DESIGNEE SHALL PERFORM MATERIALS TESTING AND QUALITY CONTROL ON THE PROJECT AND SHALL SUBMIT COPIES OF DAILY REPORTS, TEST REPORTS, PROJECT CERTIFICATION AND RECORD DRAWINGS TO SPOKANE COUNTY ENGINEER.
- NO REVISIONS SHALL BE MADE TO THESE PLANS WITHOUT THE APPROVAL BY THE SPOKANE COUNTY ENGINEER AND NOTIFICATION OF THE ENGINEER OF RECORD.

NAV8 88 DATUM
VERTICAL DATUM BASED ON CITY B.M. LOCATED AT THE INTERSECTION OF JOHANSEN ROAD AND FIVE MILE ROAD
BRASS CAP MONUMENT - 2401.69
NAVD88 ELEVATION=2388.56



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THE DESIGN IMPROVEMENTS SHOWN IN THIS SET OF PLANS AND CALCULATIONS CONFORM TO APPLICABLE EDITIONS OF THE SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION AND THE SPOKANE COUNTY GUIDELINES FOR STORMWATER MANAGEMENT. ALL DESIGN DEVIATIONS HAVE BEEN APPROVED BY THE SPOKANE COUNTY ENGINEER. I APPROVE THESE PLANS FOR CONSTRUCTION.

LEGEND

EXISTING	GENERAL	PROPOSED	EXISTING	STORM DRAINAGE	PROPOSED
---	ROADWAY CENTER LINE	---	---	MANHOLE	○
---	RIGHT OF WAY LINE	---	---	DRYWELL	○
---	PROPERTY LINE	---	---	CATCH BASIN	○
---	EASEMENT LINE	---	---	DITCH	---
---	FENCE	---	---	NATURAL GAS	G
---	CURB	---	---	NATURAL GAS VALVE	G
---	PAVEMENT	---	---	MELER	○
---	GRAVEL	---	---	TELEPHONE - POWER	○
---	CONCRETE	---	---	BURIED TELEPHONE	○
---	BUILDINGS & STRUCTURES	---	---	POWER OR TELEPHONE POLE	○
---	SANITARY SEWER	---	---	BURIED POWER	○
---	SANITARY SEWER MANHOLE	---	---	TRANSFORMER PAD	○
---	CLEANOUT	---	---	TELEPHONE RISER	○
---	SEWER SERVICE	---	---	TELEPHONE VAULT	○
---	WATER	---	---	OVERHEAD POWER	○
---	WATER LINE VALVE	---	---	GUY ANCHOR	○
---	FIRE HYDRANT	---	---	POWER VAULT	○
---	SERVICE METER	---	---	BLIND	○
---	BLOWOFF	---	---	BLIND	○
---	AIR VACUUM-RELIEF STATION	---	---	BLIND	○

DEVELOPER'S APPROVAL

THE UNDERSIGNED DEVELOPER OR HIS ASSIGNS AGREES TO CONSTRUCT IMPROVEMENTS IN ACCORDANCE WITH THIS PLAN AND UPON COMPLETION THE DEVELOPER IS RESPONSIBLE FOR SUBMITTING REPRODUCIBLE RECORD DRAWINGS TO BE COMPLETED BY A PROFESSIONAL ENGINEER AND/OR PROFESSIONAL LAND SURVEYOR FOR REVIEW AND APPROVAL BY SPOKANE COUNTY UTILITIES DEPARTMENT AT THE COMPLETION OF CONSTRUCTION.

DEVELOPER'S APPROVAL _____ DATE _____

THIS CONSTRUCTION PLAN EXPIRES ONE (1) YEAR FROM DATE OF APPROVAL.

AS-BUILT APPROVAL (ENGINEER/SURVEYOR) _____ DATE _____

SITE DEVELOPMENT CONSTRUCTION PLANS
JESSE'S BLUFF 3RD ADDITION
 COVER SHEET
 SPOKANE COUNTY WASHINGTON



JOB NO. **08-469**

DRAWN BY **KJM** DESIGNED BY **JFS**

CHECKED BY **JFS** DATE **08/05/09**

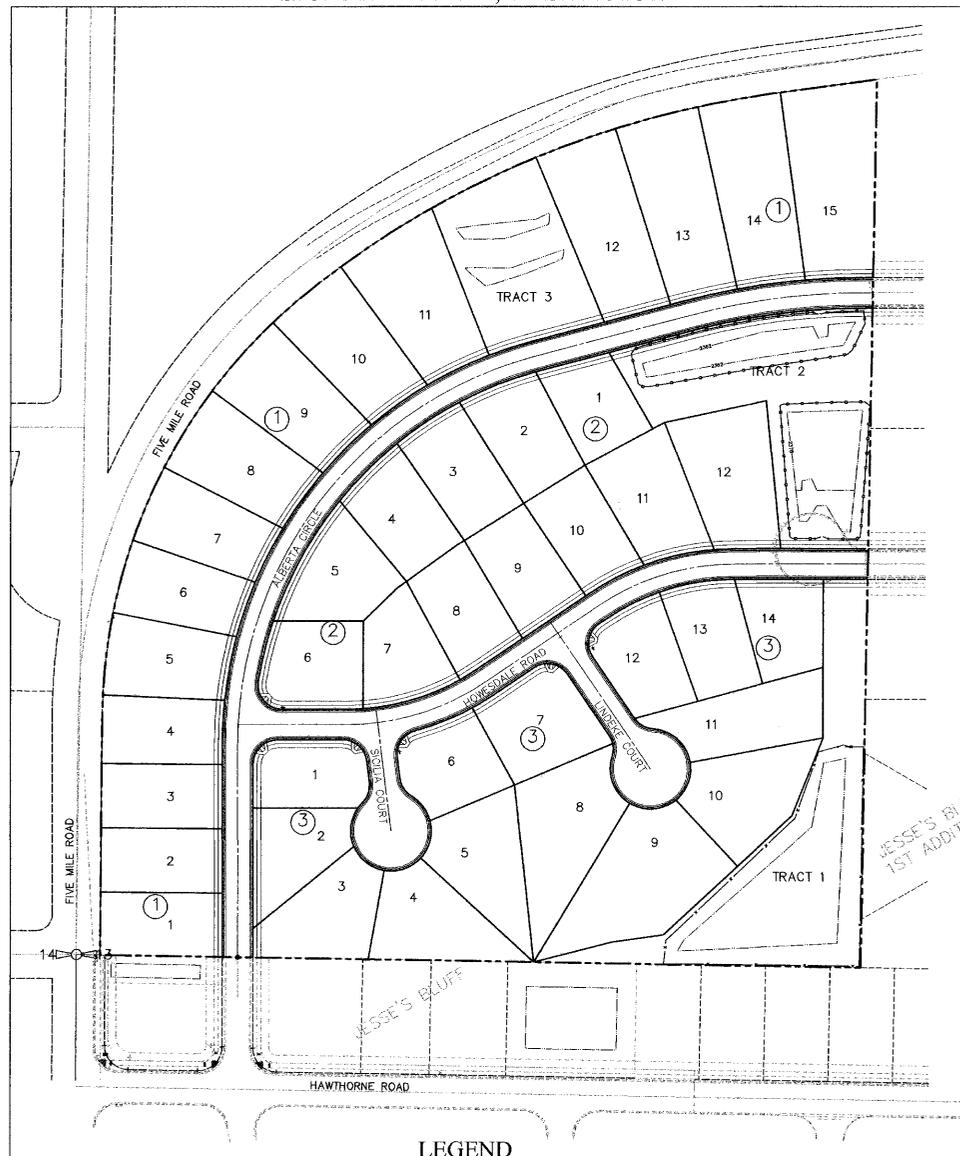
1 of 13

P. 1944
Eng. Road Drmng.

COVER SHEET FOR JESSE'S BLUFF 3rd ADDITION

STREET AND DRAINAGE CONSTRUCTION PLANS

SEC. 13, T.26 N., R.42 E., W.M.
SPOKANE COUNTY, WASHINGTON



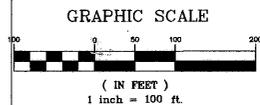
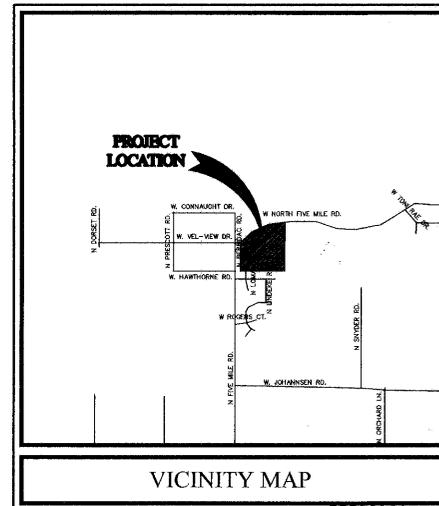
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NAV'D 88 DATUM

VERTICAL DATUM BASED ON CITY B.M. LOCATED AT THE INTERSECTION OF JOHANSEN ROAD AND FIVE MILE ROAD BRASS CAP MONUMENT = 2401.63 NAV'D88 ELEVATION=2388.56

EXISTING	GENERAL	PROPOSED	EXISTING	STORM DRAINAGE	PROPOSED
[Symbol]	ROADWAY CENTER LINE	[Symbol]	[Symbol]	DRAINAGE LINE	[Symbol]
[Symbol]	RIGHT OF WAY LINE	[Symbol]	[Symbol]	MANHOLE	[Symbol]
[Symbol]	PROPERTY LINE	[Symbol]	[Symbol]	DRYWELL	[Symbol]
[Symbol]	EASEMENT LINE	[Symbol]	[Symbol]	CATCH BASIN	[Symbol]
[Symbol]	FENCE	[Symbol]	[Symbol]	DITCH	[Symbol]
[Symbol]	CURB	[Symbol]	[Symbol]	NATURAL GAS	[Symbol]
[Symbol]	PAVEMENT	[Symbol]	[Symbol]	GAS LINE	[Symbol]
[Symbol]	GRAVEL	[Symbol]	[Symbol]	VALVE	[Symbol]
[Symbol]	CONCRETE	[Symbol]	[Symbol]	METER	[Symbol]
[Symbol]	BUILDINGS & STRUCTURES	[Symbol]	[Symbol]	TELEPHONE - POWER	[Symbol]
[Symbol]	SANITARY SEWER	[Symbol]	[Symbol]	BURIED TELEPHONE	[Symbol]
[Symbol]	SANITARY SEWER MANHOLE	[Symbol]	[Symbol]	POWER OR TELEPHONE POLE	[Symbol]
[Symbol]	CLEANOUT	[Symbol]	[Symbol]	BURIED POWER	[Symbol]
[Symbol]	SEWER SERVICE	[Symbol]	[Symbol]	TRANSFORMER PAD	[Symbol]
[Symbol]	WATER	[Symbol]	[Symbol]	TELEPHONE RISER	[Symbol]
[Symbol]	WATER LINE	[Symbol]	[Symbol]	TELEPHONE VAULT	[Symbol]
[Symbol]	VALVE	[Symbol]	[Symbol]	OVERHEAD POWER	[Symbol]
[Symbol]	FIRE HYDRANT SERVICE	[Symbol]	[Symbol]	GUY ANCHOR	[Symbol]
[Symbol]	METER	[Symbol]	[Symbol]	POWER VAULT	[Symbol]
[Symbol]	BLOWOFF	[Symbol]	[Symbol]	LIGHT POLE	[Symbol]
[Symbol]	AIR VACUUM RELIEF STATION	[Symbol]	[Symbol]		



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: 1964
DATE ACCEPTED: 8/22/08
ACCEPTANCE EXPIRES: 8/22/10
PROJECT LANE MILES PUBLIC: 0.46
PROJECT LANE MILES PRIVATE: 0.00
CONSTRUCTION DOCUMENTATION AND DESIGNED RECORD DRAWINGS "AS-BUILT" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND FURNISHMENT OF THE ROADS AND UTILITY FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED (509) 477-3500
NOTIFY PERMIT ENGINEER 3 BUSINESS DAYS PRIOR TO CONSTRUCTION

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DEVELOPER'S APPROVAL

THE UNDERSIGNED DEVELOPER OR HIS ASSIGNS AGREES TO CONSTRUCT IMPROVEMENTS IN ACCORDANCE WITH THIS PLAN, AND UPON COMPLETION, THE DEVELOPER IS RESPONSIBLE FOR SUBMITTING REPRODUCIBLE RECORD DRAWINGS TO BE COMPLETED BY A PROFESSIONAL ENGINEER AND/OR PROFESSIONAL LAND SURVEYOR FOR REVIEW AND APPROVAL BY SPOKANE COUNTY UTILITIES DEPARTMENT AT THE COMPLETION OF CONSTRUCTION.

Robert A. Anderson Jr.
DEVELOPER'S APPROVAL

8-22-08
DATE

THIS CONSTRUCTION PLAN EXPIRES ONE (1) YEAR FROM DATE OF APPROVAL.

AS-BUILT APPROVAL(ENGINEER/SURVEYOR) _____ DATE _____

Saymers Engineering
Tapio Center, 104 S Freya
Blue Flag Bldg, Suite 305
Spokane, WA 99202
(509) 744-0300

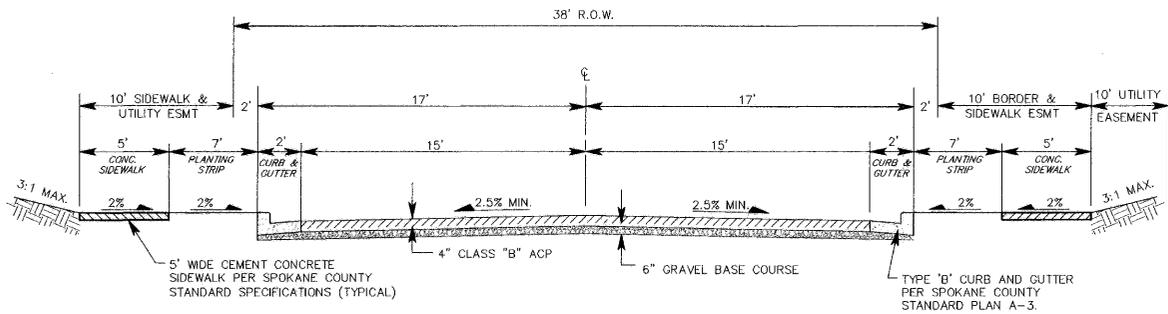
NO.	REVISION	DATE
3	FINAL SUBMITTAL	07/03/08
2	THIRD SUBMITTAL/RESPONSE TO COUNTY COMMENTS	02/27/08
1	SECOND SUBMITTAL/RESPONSE TO COUNTY COMMENTS	01/31/08

SITE DEVELOPMENT CONSTRUCTION PLANS
JESSE'S BLUFF 3RD ADDITION
COVER SHEET
SPOKANE COUNTY
WASHINGTON

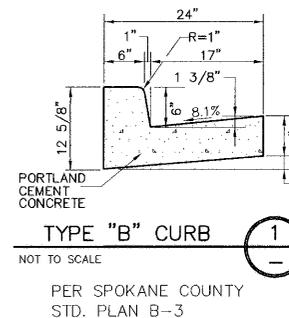
JOB NO.	08-469
DRAWN BY:	KJM
DESIGNED BY:	JFS
CHECKED BY:	JFS
DATE:	07/03/08
COVER SHEET	
1 of 13	

R1964 Eng Road Drainage

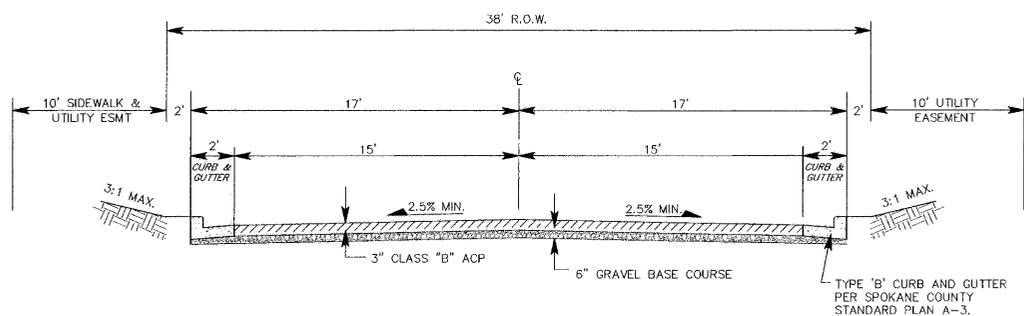
NO.	REASON	DATE
3	FINAL SUBMITTAL	07/03/08
2	FIRST SUBMITTAL RESPONSE TO COUNTY COMMENTS	02/27/08
1	SECOND SUBMITTAL RESPONSE TO COUNTY COMMENTS	07/31/08



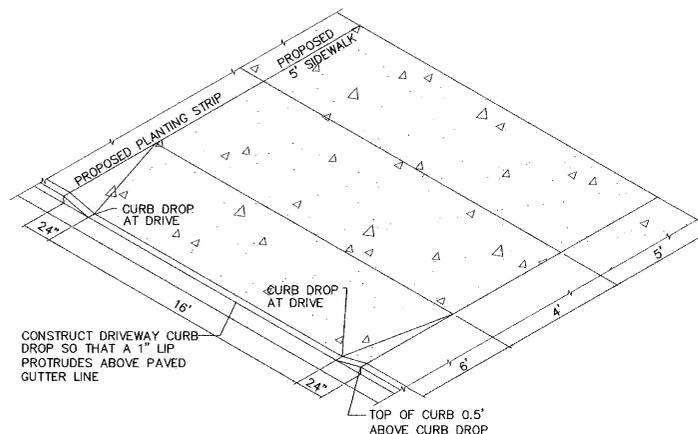
TYPICAL CROSS SECTION
 NOT TO SCALE ALBERTA CIRCLE & HOWSDALE ROAD



TYPE "B" CURB
 NOT TO SCALE
 PER SPOKANE COUNTY
 STD. PLAN B-3



TYPICAL CROSS SECTION
 NOT TO SCALE SICILIA AND LINDEKE COURTS



DRIVEWAY DETAIL
 NOT TO SCALE



SPOKANE COUNTY ENGINEERS OFFICE
 OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
 PROJECT # P-1964
 DATE ACCEPTED: 4/1/08
 ACCEPTANCE EXPIRES: 5/1/10
 PROJECT LANE MILES PUBLIC: 0.24
 PROJECT LANE MILES PRIVATE: 0
 RECORD DRAWINGS, NO SURVEY FEE REQUIRED PRIOR
 TO COUNTY ACCEPTANCE. CITY SETTLEMENT OF THE
 ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
 PERMIT REQUIRED! (509) 477-3600
 NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS
 PRIOR TO CONSTRUCTION

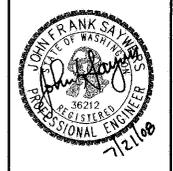
SITE DEVELOPMENT CONSTRUCTION PLANS
JESSE'S BLUFF 3RD
 STREET AND DRAINAGE CONSTRUCTION PLANS
 SPOKANE COUNTY WASHINGTON

NAV'D 88 DATUM
 VERTICAL DATUM BASED ON CITY B.M.
 LOCATED AT THE INTERSECTION OF
 JOHANSEN ROAD AND FIVE MILE ROAD
 BRASS CAP MONUMENT = 2401.69
 NAV'D88 ELEVATION=2388.56

DEVELOPER'S APPROVAL
 THE UNDERSIGNED DEVELOPER OR HIS ASSIGNS AGREES TO CONSTRUCT IMPROVEMENTS IN
 ACCORDANCE WITH THIS PLAN, AND UPON COMPLETION, THE DEVELOPER IS RESPONSIBLE FOR
 SUBMITTING REPRODUCIBLE RECORD DRAWINGS TO BE COMPLETED BY A PROFESSIONAL ENGINEER
 AND/OR PROFESSIONAL LAND SURVEYOR FOR REVIEW AND APPROVAL BY SPOKANE COUNTY
 UTILITIES DEPARTMENT AT THE COMPLETION OF CONSTRUCTION.

[Signature]
 DEVELOPER'S APPROVAL
 8-22-08
 DATE

THIS CONSTRUCTION PLAN EXPIRES ONE (1) YEAR FROM DATE OF APPROVAL.
 AS-BUILT APPROVAL(ENGINEER/SURVEYOR) DATE



JOB NO.	08-469
DRAWN BY:	KJM
DESIGNED BY:	JFS
CHECKED BY:	JFS
DATE	07/03/08

SECTIONS AND
 DETAILS
 2 of 13
 SHEET

P-1964 Eng Road Drainage

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800-424-5555
 CALL TWO BUSINESS DAYS BEFORE YOU DIG

NAV'D 88 DATUM
 VERTICAL DATUM BASED ON CITY B.M. LOCATED AT THE INTERSECTION OF JOHANSEN ROAD AND FIVE MILE ROAD. BRASS CAP MONUMENT = 2401.69 NAVD88 ELEVATION = 2388.56

SEC. 13, T.26 N., R.42 E., W.M.
 SPOKANE COUNTY, WA

DEVELOPER'S APPROVAL

THE UNDERSIGNED DEVELOPER OR HIS ASSIGNS AGREES TO CONSTRUCT IMPROVEMENTS IN ACCORDANCE WITH THIS PLAN, AND UPON COMPLETION, THE DEVELOPER IS RESPONSIBLE FOR SUBMITTING REPRODUCIBLE RECORD DRAWINGS TO BE COMPLETED BY A PROFESSIONAL ENGINEER AND/OR PROFESSIONAL LAND SURVEYOR FOR REVIEW AND APPROVAL BY SPOKANE COUNTY UTILITIES DEPARTMENT AT THE COMPLETION OF CONSTRUCTION.

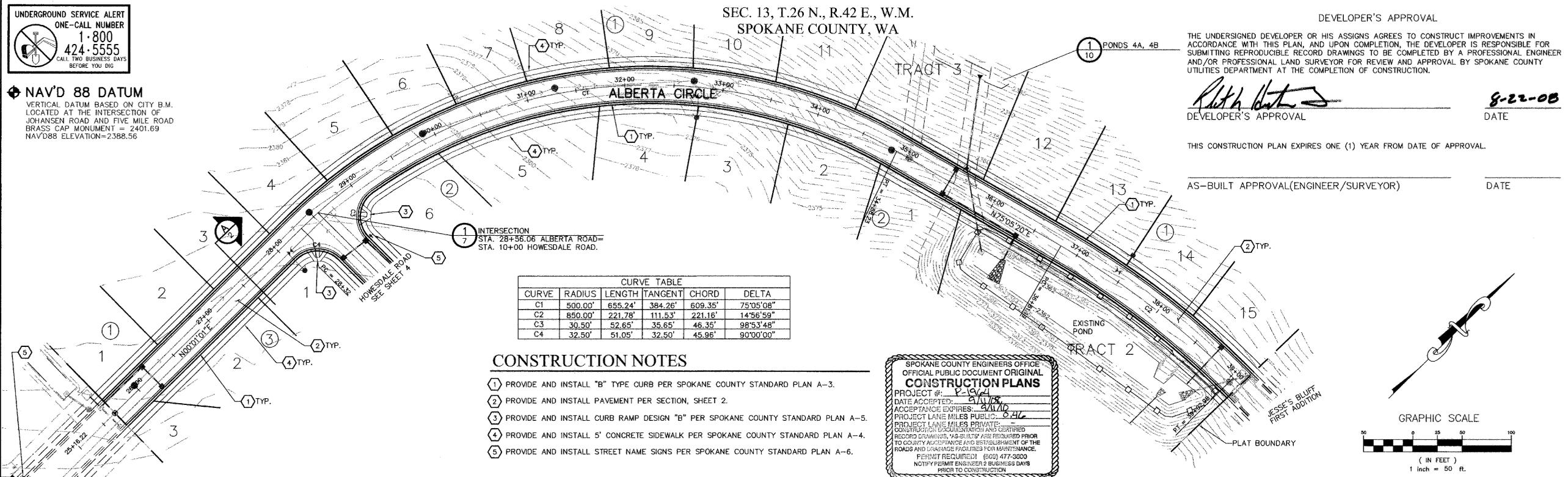
Rick D. [Signature]
 DEVELOPER'S APPROVAL

8-22-08
 DATE

THIS CONSTRUCTION PLAN EXPIRES ONE (1) YEAR FROM DATE OF APPROVAL.

AS-BUILT APPROVAL(ENGINEER/SURVEYOR)

DATE

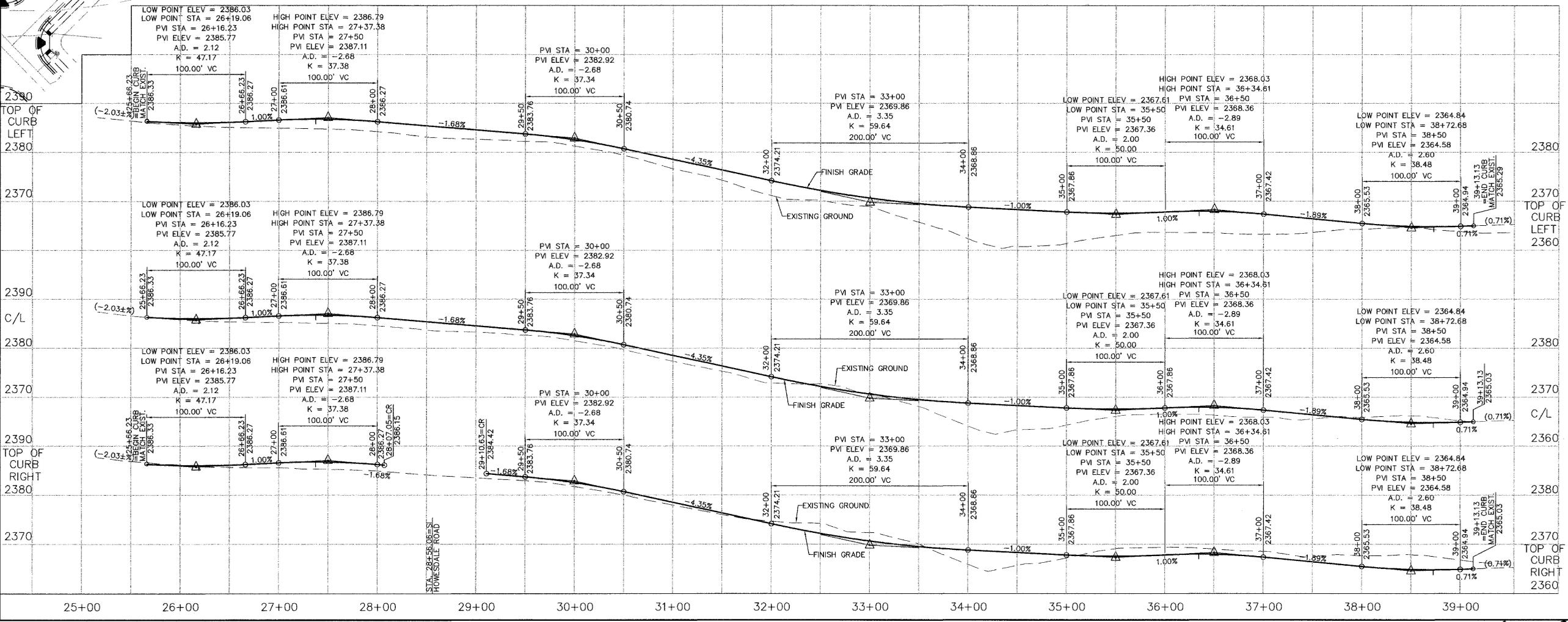


CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C1	500.00'	655.24'	384.26'	609.35'	75°05'08"
C2	850.00'	221.78'	111.53'	221.16'	14°56'59"
C3	30.50'	52.65'	35.65'	46.35'	98°53'48"
C4	32.50'	51.05'	32.50'	45.96'	90°00'00"

CONSTRUCTION NOTES

- 1 PROVIDE AND INSTALL "B" TYPE CURB PER SPOKANE COUNTY STANDARD PLAN A-3.
- 2 PROVIDE AND INSTALL PAVEMENT PER SECTION, SHEET 2.
- 3 PROVIDE AND INSTALL CURB RAMP DESIGN "B" PER SPOKANE COUNTY STANDARD PLAN A-5.
- 4 PROVIDE AND INSTALL 5' CONCRETE SIDEWALK PER SPOKANE COUNTY STANDARD PLAN A-4.
- 5 PROVIDE AND INSTALL STREET NAME SIGNS PER SPOKANE COUNTY STANDARD PLAN A-6.

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
 PROJECT #: P-1964
 DATE ACCEPTED: 8/17/08
 ACCEPTANCE EXPIRES: 8/17/09
 PROJECT LAKE MILES PUBLIC: 0.41
 PROJECT LAKE MILES PRIVATE: -
 CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS: 45-DAY PERIOD REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
 PERMIT REQUIRED: (602) 477-3600
 NOTIFY PERMIT ENGINEER 6 BUSINESS DAYS PRIOR TO CONSTRUCTION



Sumner Engineering
 Tapia Center, 104 S Freya
 Blue Flag Bldg, Suite 305
 Spokane, WA 99202
 (509) 744-0300

NO.	REVISION	DATE
3	FINAL SUBMITTAL RESPONSE TO COUNTY COMMENTS	07/03/08
2	THIRD SUBMITTAL RESPONSE TO COUNTY COMMENTS	02/27/08
1	SECOND SUBMITTAL RESPONSE TO COUNTY COMMENTS	07/23/08

SITE DEVELOPMENT CONSTRUCTION PLANS
JESSE'S BLUFF 3RD
 ALBERTA CIRCLE STA. 25+16.22 TO 39+63.44
 SPOKANE COUNTY WASHINGTON

JOHN FRANK SAUNDERS
 36212
 REGISTERED PROFESSIONAL ENGINEER
 7/21/08

JOB NO. 08-469
 DRAWN BY: KJM
 DESIGNED BY: JFS
 CHECKED BY: JFS
 DATE: 07/03/08

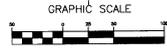
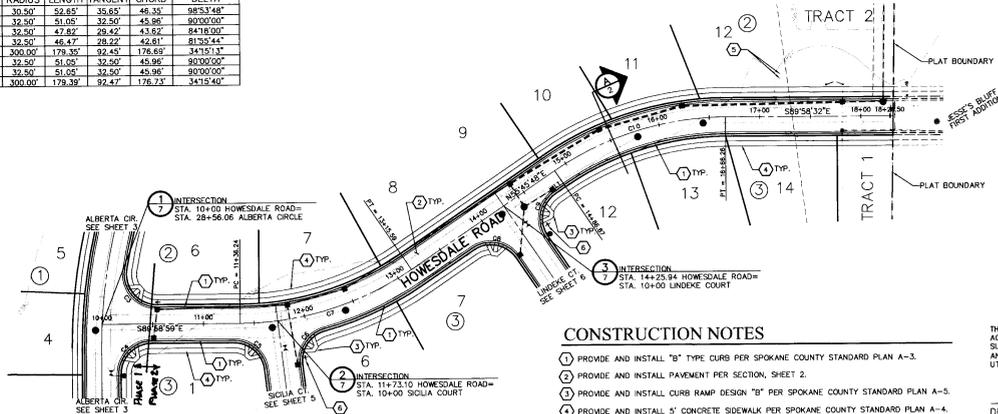
ALBERTA ROAD PLAN AND PROFILE
3 OF 13
 SHEET

P1964 Eng Road Drainage



SEC. 13, T.26 N., R.42 E., W.M.
SPOKANE COUNTY, WA

CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C3	30.50'	52.48'	35.85'	46.30'	98°53'48"
C4	32.50'	51.05'	32.50'	45.86'	90°00'00"
C5	32.50'	47.82'	29.42'	43.82'	84°18'00"
C8	32.50'	46.47'	28.22'	42.81'	81°35'44"
C7	300.00'	179.35'	92.45'	176.89'	34°15'13"
C8	32.50'	51.05'	32.50'	45.86'	90°00'00"
C9	32.50'	51.05'	32.50'	45.86'	90°00'00"
C10	300.00'	179.39'	92.47'	176.73'	34°15'40"



SPokane County Engineers Original
CONSTRUCTION PLANS
PROJECT # 08-469
DATE ACCEPTED: 11/26/09
ACCEPTANCE EXP. DATE: 11/26/10
PROJECT LANE MILES PUBLIC: 0.00
PROJECT LANE MILES PRIVATE: 0.00
CONTRACT DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, MEASUREMENTS AND RELATED INFORMATION ARE THE PROPERTY AND EXCLUSIVE RESPONSIBILITY OF THE DESIGNER AND SHALL BE USED ONLY FOR THE PROJECT AND DIVISIONS AUTHORIZED FOR MAINTENANCE. REPEAT REQUIRED: 100% AT 5000'. NOTIFY PERMIT FACILITY: 509-232-0205 PROJECT # 08-469

CONSTRUCTION NOTES

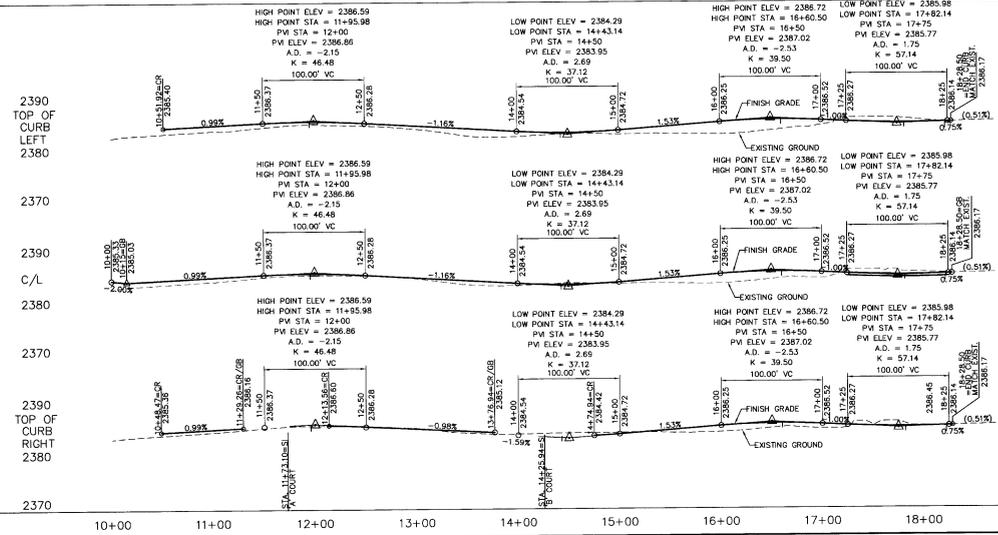
- PROVIDE AND INSTALL "D" TYPE CURB PER SPOKANE COUNTY STANDARD PLAN A-3.
- PROVIDE AND INSTALL PAVEMENT PER SECTION, SHEET 2.
- PROVIDE AND INSTALL CURB RAMP DESIGN "D" PER SPOKANE COUNTY STANDARD PLAN A-5.
- PROVIDE AND INSTALL 5" CONCRETE SIDEWALK PER SPOKANE COUNTY STANDARD PLAN A-4.
- EXISTING CUL-DE-SAC CURB AND BOLLARDS TO BE REMOVED.
- PROVIDE AND INSTALL STREET NAME SIGNS PER SPOKANE COUNTY STANDARD PLAN A-6.

DEVELOPER'S APPROVAL
THE UNDERSIGNED DEVELOPER OR HIS ASSIGNS AGREES TO CONSTRUCT IMPROVEMENTS IN ACCORDANCE WITH THIS PLAN, AND UPON COMPLETION, THE DEVELOPER IS RESPONSIBLE FOR SUBMITTING REPRODUCIBLE RECORD DRAWINGS TO BE COMPLETED BY A PROFESSIONAL ENGINEER AND/OR PROFESSIONAL LAND SURVEYOR FOR REVIEW AND APPROVAL BY SPOKANE COUNTY UTILITIES DEPARTMENT AT THE COMPLETION OF CONSTRUCTION.

DEVELOPER'S APPROVAL _____ DATE _____
THIS CONSTRUCTION PLAN EXPIRES ONE (1) YEAR FROM DATE OF APPROVAL.
AS-BUILT APPROVAL (ENGINEER/SURVEYOR) _____ DATE _____

NAV'D 88 DATUM
VERTICAL DATUM BASED ON CITY B.M. LOCATED AT THE INTERSECTION OF JOHANSEN ROAD AND FIVE MILE ROAD BRASS CAP MONUMENT = 2401.69 NAVD88 ELEVATION=2388.56

NOTE: HOWESDALE ROAD CONSTRUCTED IN PHASE 2.



DATE	08/26/09
BY	JFS
CHECKED BY	JFS
DATE	08/05/09
PROJECT	JESSE'S BLUFF 3RD
LOCATION	HOWESDALE ROAD STA. 10+00.00 TO 18+28.50
CITY	SPokane
COUNTY	Spokane
STATE	WA

SITE DEVELOPMENT CONSTRUCTION PLANS
JESSE'S BLUFF 3RD
HOWESDALE ROAD STA. 10+00.00 TO 18+28.50
WASHINGTON
SPOKANE COUNTY



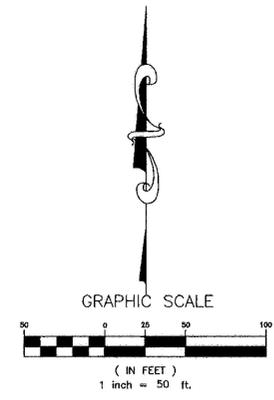
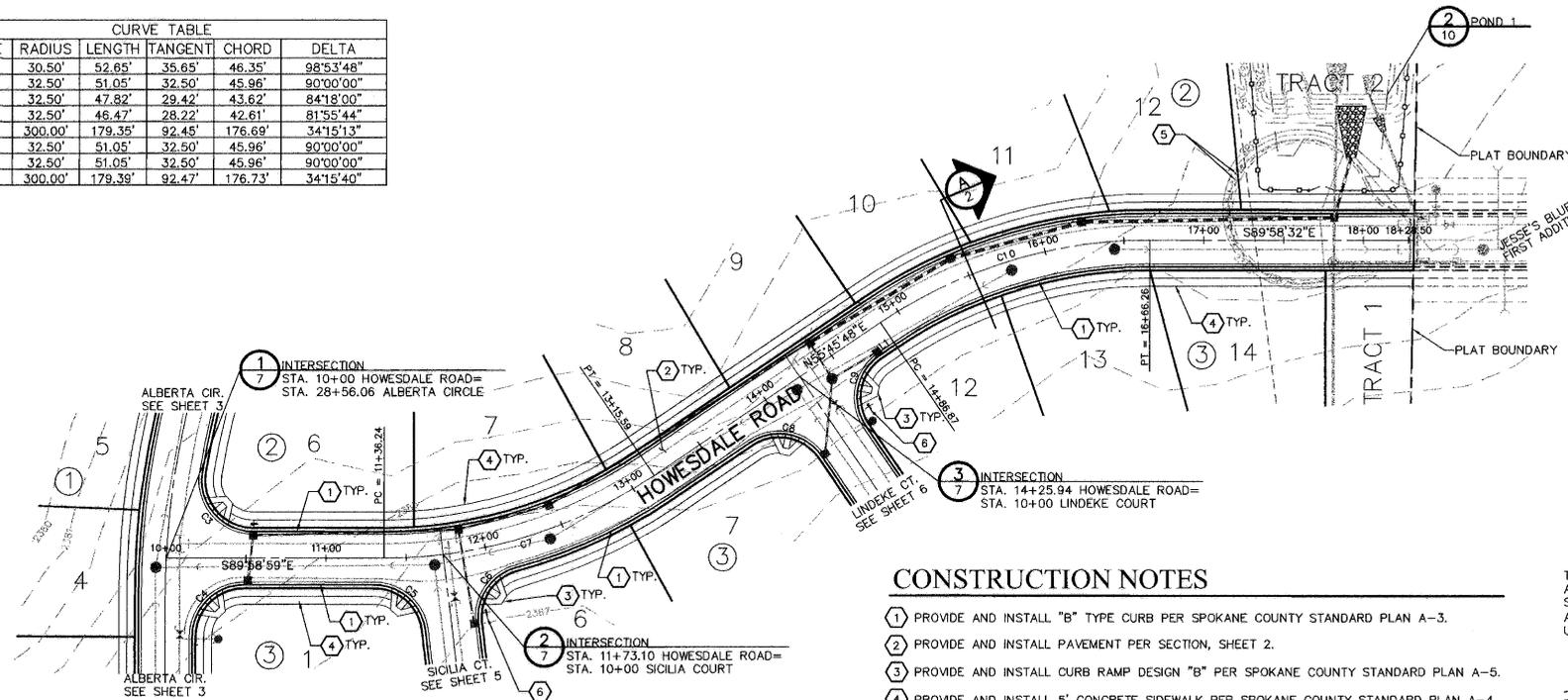
08-469
DESIGNED BY: JFS
CHECKED BY: JFS
DATE: 08/05/09
HOWESDALE PLAN AND PROFILE

P1964 updated Eng. Land Drainage

UNDERGROUND SERVICE ALERT
 ONE-CALL NUMBER
1-800-424-5555
 CALL TWO BUSINESS DAYS BEFORE YOU DIG

SEC. 13, T.26 N., R.42 E., W.M.
 SPOKANE COUNTY, WA

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C3	30.50'	52.65'	35.65'	46.35'	98°53'48"
C4	32.50'	51.05'	32.50'	45.96'	90°00'00"
C5	32.50'	47.82'	29.42'	43.62'	84°18'00"
C6	32.50'	46.47'	28.22'	42.61'	81°55'44"
C7	300.00'	179.35'	92.45'	176.69'	34°15'13"
C8	32.50'	51.05'	32.50'	45.96'	90°00'00"
C9	32.50'	51.05'	32.50'	45.96'	90°00'00"
C10	300.00'	179.39'	92.47'	176.73'	34°15'40"



SPOKANE COUNTY ENGINEERS OFFICE
 OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
 PROJECT # P-1964
 DATE ACCEPTED: 9/11/08
 ACCEPTANCE EXPIRES: 9/11/10
 PROJECT LANE MILES PRIVATE: 0.46
 PROJECT LANE MILES PUBLIC: 0.46
 CONSTRUCTION LOCUMINATION AND CERTIFIED
 RECORD DRAWINGS, "AS-BUILT" ARE REQUIRED PRIOR
 TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE
 ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
 PERMIT REQUIRED! (509) 477-3000
 NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS
 PRIOR TO CONSTRUCTION.

DEVELOPER'S APPROVAL

THE UNDERSIGNED DEVELOPER OR HIS ASSIGNS AGREES TO CONSTRUCT IMPROVEMENTS IN ACCORDANCE WITH THIS PLAN, AND UPON COMPLETION, THE DEVELOPER IS RESPONSIBLE FOR SUBMITTING REPRODUCIBLE RECORD DRAWINGS TO BE COMPLETED BY A PROFESSIONAL ENGINEER AND/OR PROFESSIONAL LAND SURVEYOR FOR REVIEW AND APPROVAL BY SPOKANE COUNTY UTILITIES DEPARTMENT AT THE COMPLETION OF CONSTRUCTION.

Robert A. Hartman
 DEVELOPER'S APPROVAL 8-22-08
 DATE

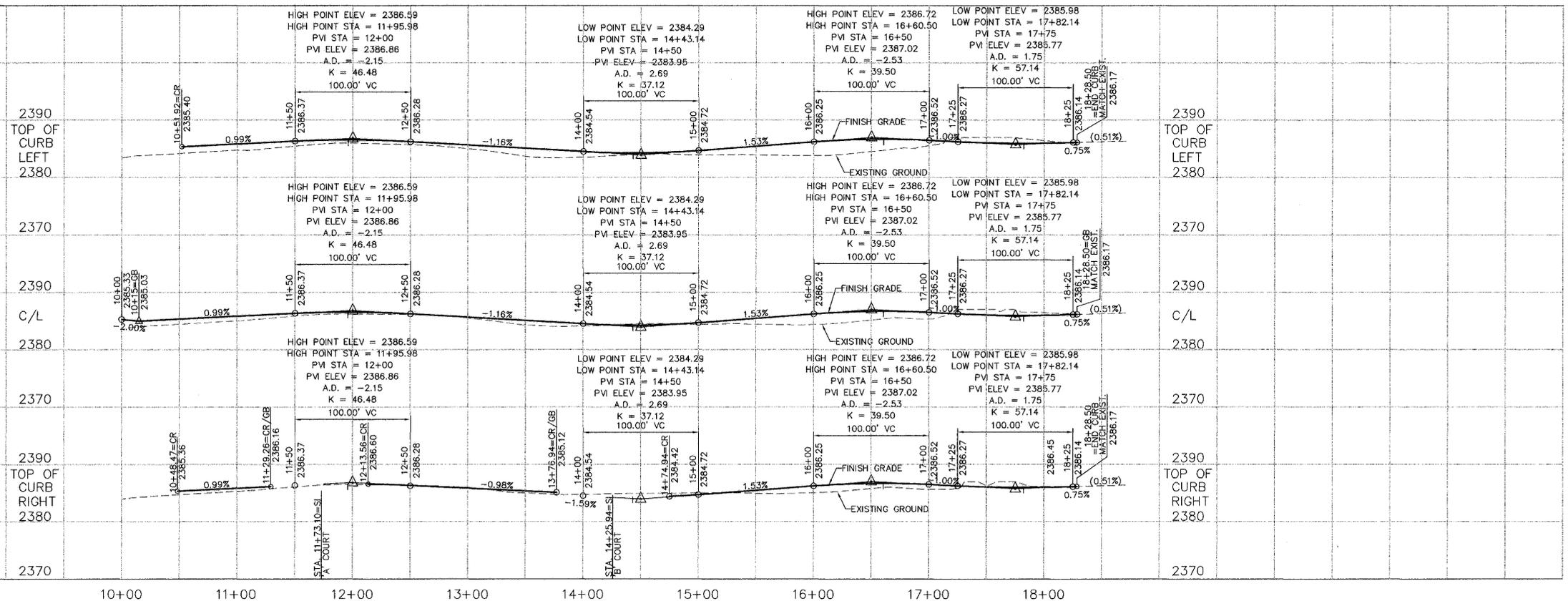
THIS CONSTRUCTION PLAN EXPIRES ONE (1) YEAR FROM DATE OF APPROVAL.

AS-BUILT APPROVAL(ENGINEER/SURVEYOR) DATE

CONSTRUCTION NOTES

- ① PROVIDE AND INSTALL "B" TYPE CURB PER SPOKANE COUNTY STANDARD PLAN A-3.
- ② PROVIDE AND INSTALL PAVEMENT PER SECTION, SHEET 2.
- ③ PROVIDE AND INSTALL CURB RAMP DESIGN "B" PER SPOKANE COUNTY STANDARD PLAN A-5.
- ④ PROVIDE AND INSTALL 5' CONCRETE SIDEWALK PER SPOKANE COUNTY STANDARD PLAN A-4.
- ⑤ EXISTING CUL-DE-SAC CURB AND BOLLARDS TO BE REMOVED.
- ⑥ PROVIDE AND INSTALL STREET NAME SIGNS PER SPOKANE COUNTY STANDARD PLAN A-6.

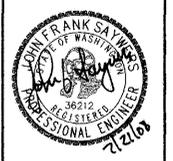
NAV'D 88 DATUM
 VERTICAL DATUM BASED ON CITY B.M.
 LOCATED AT THE INTERSECTION OF
 JOHANSEN ROAD AND FIVE MILE ROAD
 BRASS CAP MONUMENT = 2401.69
 NAVD88 ELEVATION=2388.56



Sage Engineering
 Tapco Center, 104 S Freya
 Blue Flag Bldg, Suite 305
 Spokane, WA 99202
 (509) 744-0300

NO.	REVISION	DATE
3	FINAL SUBMITTAL	07/03/08
2	THIRD SUBMITTAL/RESPONSE TO COUNTY COMMENTS	02/27/08
1	SECOND SUBMITTAL/RESPONSE TO COUNTY COMMENTS	07/31/07

SITE DEVELOPMENT CONSTRUCTION PLANS
JESSE'S BLUFF 3RD
 HOWESDALE ROAD STA. 10+00.00 TO 18+28.50
 SPOKANE COUNTY WASHINGTON



Job no. **08-469**
 DRAWN BY: KJM DESIGNED BY: JFS
 CHECKED BY: JFS DATE: 07/03/08

HOWESDALE PLAN AND PROFILE

P-1964 Eng Road Drainage

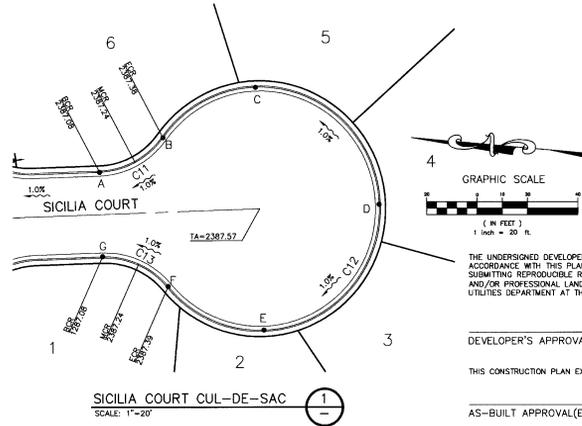
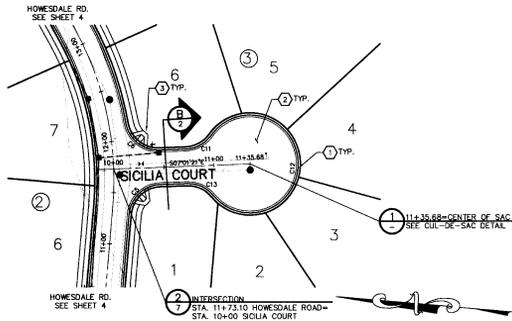


SEC. 13, T.26N., R.42 E., W.M.
SPOKANE COUNTY, WA

CONSTRUCTION NOTES

- ① PROVIDE AND INSTALL "B" TYPE CURB PER SPOKANE COUNTY STANDARD PLAN A-3.
- ② PROVIDE AND INSTALL PAVEMENT PER SECTION, SHEET 2.
- ③ PROVIDE AND INSTALL CURB RAMP DESIGN "A" PER SPOKANE COUNTY STANDARD PLAN A-5.

CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C5	32.50'	47.82'	28.42'	43.52'	84°00'
C6	32.50'	46.47'	28.22'	42.61'	81°55'44"
C11	32.50'	29.63'	16.93'	28.61'	52°13'46"
C12	47.50'	235.93'	38.91'	58.12'	284°27'32"
C13	32.50'	29.63'	16.93'	28.61'	52°13'46"



SPOKANE COUNTY ENGINEERING OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # 08-469
DATE ACCEPTED 08/05/09
ACCEPTANCE ENGINEER: JESSE BLUFF
PROJECT LANE MILES PUBLIC: 0.02
SCALE: 1"=20'
DRAWN: JFS
CHECKED: JFS
DATE: 08/05/09
SPOKANE COUNTY ENGINEERING OFFICE
1000 W. MAIN ST., SPOKANE, WA 99201
PHONE: (509) 325-2200
FAX: (509) 325-2201
WWW.SPOKANEENGINEERING.COM

DEVELOPER'S APPROVAL

THE UNDERSIGNED DEVELOPER OR HIS ASSIGNS AGREES TO CONSTRUCT IMPROVEMENTS IN ACCORDANCE WITH THIS PLAN, AND UPON COMPLETION, THE DEVELOPER IS RESPONSIBLE FOR SUBMITTING REPRODUCIBLE RECORDED DRAWINGS TO BE COMPLETED BY A PROFESSIONAL ENGINEER AND/OR PROFESSIONAL LAND SURVEYOR FOR REVIEW AND APPROVAL BY SPOKANE COUNTY UTILITIES DEPARTMENT AT THE COMPLETION OF CONSTRUCTION.

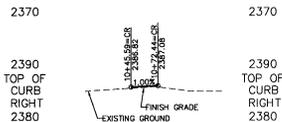
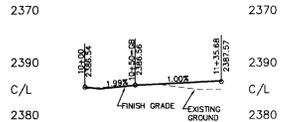
DEVELOPER'S APPROVAL _____ DATE _____

THIS CONSTRUCTION PLAN EXPIRES ONE (1) YEAR FROM DATE OF APPROVAL.

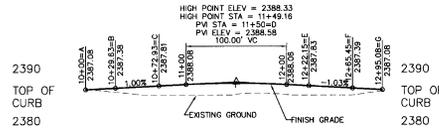
AS-BUILT APPROVAL (ENGINEER/SURVEYOR) _____ DATE _____

NAV88 DATUM
VERTICAL DATUM BASED ON CITY B.M. LOCATED AT THE INTERSECTION OF JOHANSEN ROAD AND FIVE MILE ROAD BRASS CAP MONUMENT = 2401.69 NAVD88 ELEVATION=2388.56

NOTE: SICILIA COURT COMPLETED IN PHASE 2



10+00 11+00 12+00



10+00 11+00 12+00 13+00

SITE DEVELOPMENT CONSTRUCTION PLANS
JESSE'S BLUFF 3RD
SICILIA COURT STA. 10+00 TO 11+35.68
SPOKANE COUNTY



JOB NO. 08-469
DRAWN BY: KJM CHECKED BY: JFS
DESIGNED BY: JFS DATE: 08/05/09

SICILIA COURT PLAN AND PROFILE
5 OF 13
SHEET

P1964 updated Eng. Road Drawing

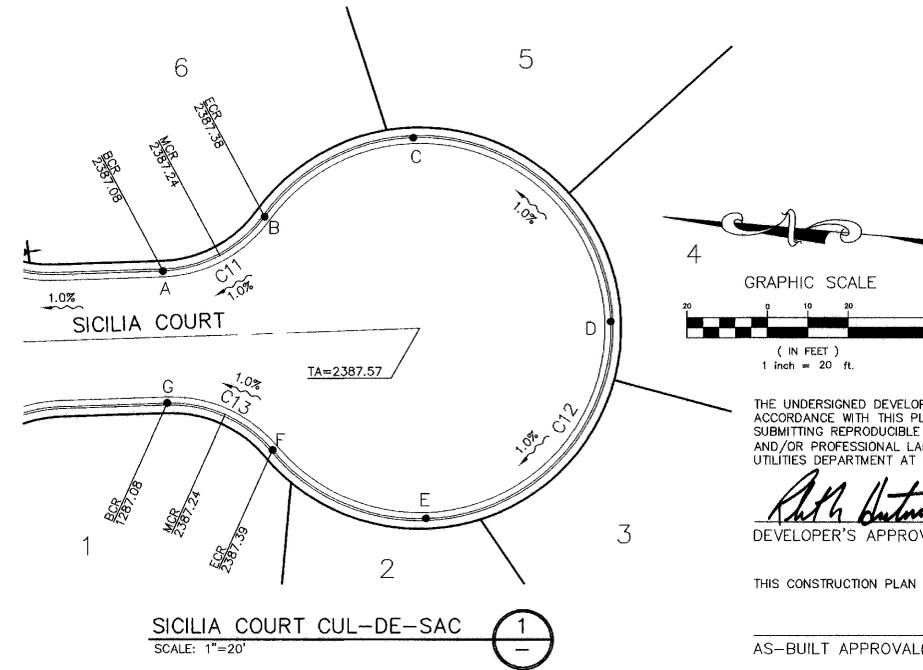
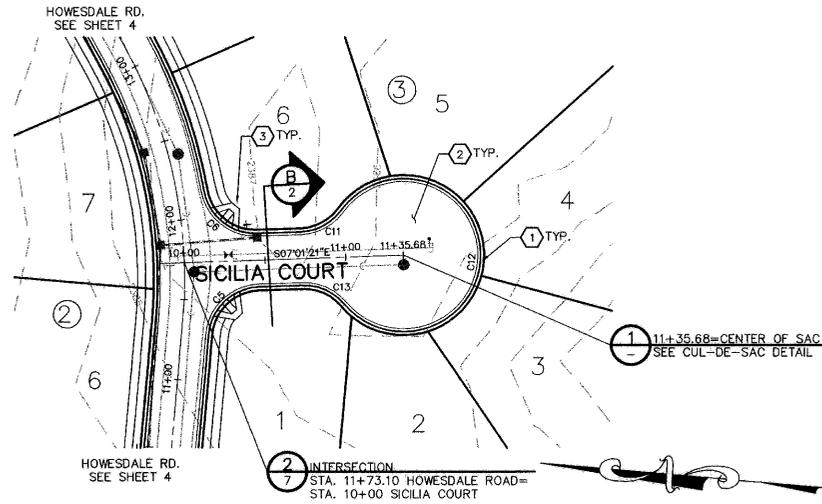


SEC. 13, T.26N., R.42 E., W.M.
SPOKANE COUNTY, WA

CONSTRUCTION NOTES

- ① PROVIDE AND INSTALL "B" TYPE CURB PER SPOKANE COUNTY STANDARD PLAN A-3.
- ② PROVIDE AND INSTALL PAVEMENT PER SECTION, SHEET 2.
- ③ PROVIDE AND INSTALL CURB RAMP DESIGN "A" PER SPOKANE COUNTY STANDARD PLAN A-5.

CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C5	32.50'	47.82'	29.42'	43.62'	84°18'00"
C6	32.50'	46.47'	28.22'	42.61'	81°55'44"
C11	32.50'	29.63'	15.93'	28.61'	52°13'46"
C12	47.50'	235.83'	36.81'	58.19'	284°27'32"
C13	32.50'	29.63'	15.93'	28.61'	52°13'46"



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS

PROJECT #: D-1964
DATE ACCEPTED: 8/11/08
ACCEPTANCE EXPIRES: 8/11/09
PROJECT LANE MILES PUBLIC: 0.416
PROJECT LANE MILES PRIVATE: _____
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS-BUILT" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRIVEWAY FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED: (509) 477-5500
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

DEVELOPER'S APPROVAL

THE UNDERSIGNED DEVELOPER OR HIS ASSIGNS AGREES TO CONSTRUCT IMPROVEMENTS IN ACCORDANCE WITH THIS PLAN, AND UPON COMPLETION, THE DEVELOPER IS RESPONSIBLE FOR SUBMITTING REPRODUCIBLE RECORD DRAWINGS TO BE COMPLETED BY A PROFESSIONAL ENGINEER AND/OR PROFESSIONAL LAND SURVEYOR FOR REVIEW AND APPROVAL BY SPOKANE COUNTY UTILITIES DEPARTMENT AT THE COMPLETION OF CONSTRUCTION.

Richard H. Johnson
DEVELOPER'S APPROVAL

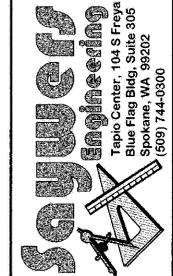
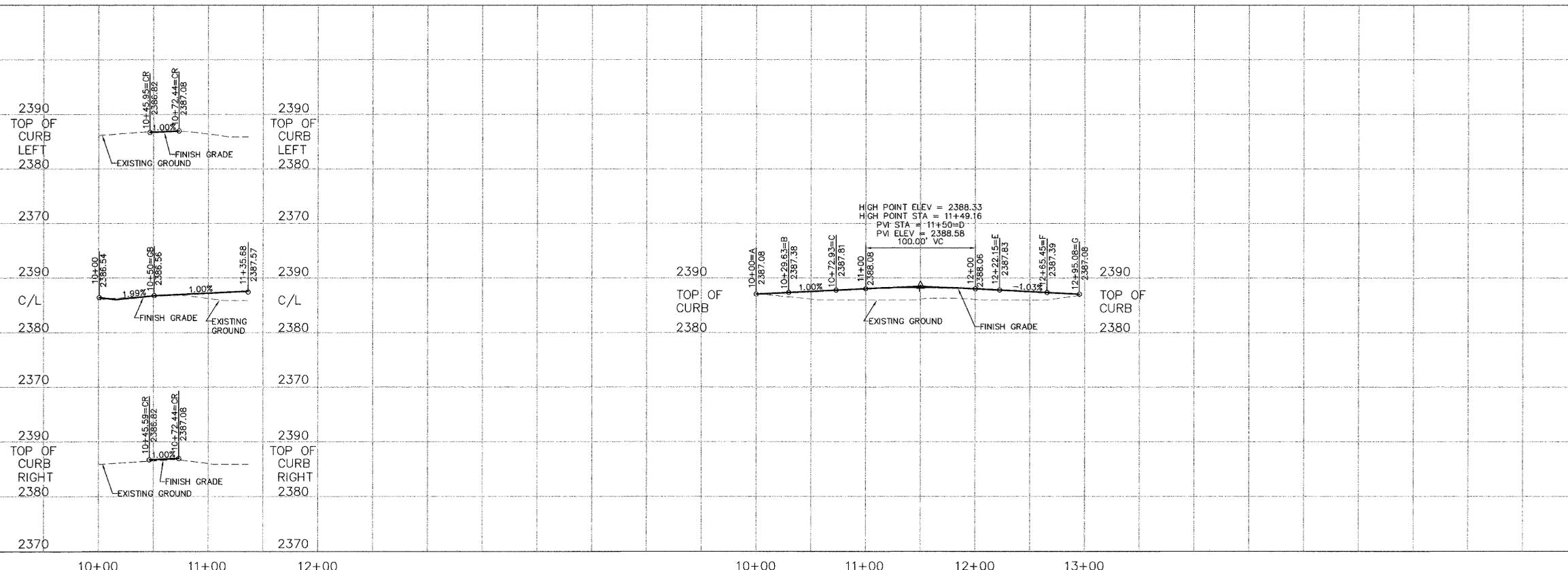
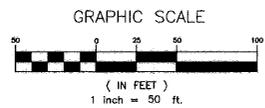
8-22-08
DATE

THIS CONSTRUCTION PLAN EXPIRES ONE (1) YEAR FROM DATE OF APPROVAL.

AS-BUILT APPROVAL (ENGINEER/SURVEYOR) _____ DATE _____

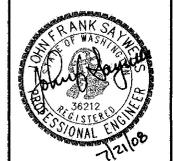
NAV'D 88 DATUM

VERTICAL DATUM BASED ON CITY B.M. LOCATED AT THE INTERSECTION OF JOHANSEN ROAD AND FIVE MILE ROAD. BRASS CAP MONUMENT = 2401.69 NAVD88 ELEVATION=2388.56



NO.	REVISION	DATE
3	FINAL SUBMITTAL	07/03/08
2	FIRST SUBMITTAL/RESPONSE TO COUNTY COMMENTS	07/27/08
1	SECOND SUBMITTAL/RESPONSE TO COUNTY COMMENTS	07/27/08

SITE DEVELOPMENT CONSTRUCTION PLANS
JESSE'S BLUFF 3RD
SICILIA COURT STA. 10+00 TO 11+35.68
SPOKANE COUNTY WASHINGTON



Job no. 08-469
DRAWN BY: KJM DESIGNED BY: JFS
CHECKED BY: JFS DATE: 07/03/08

SICILIA COURT
PLAN AND
PROFILE
5 OF 13
SHEET

P.1964 Eng/Plan/Drainage

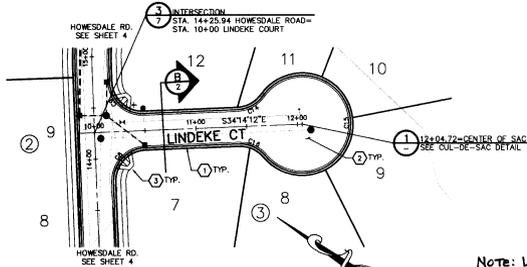


SEC. 13, T.26 N., R.42 E., W.M.
SPOKANE COUNTY, WA

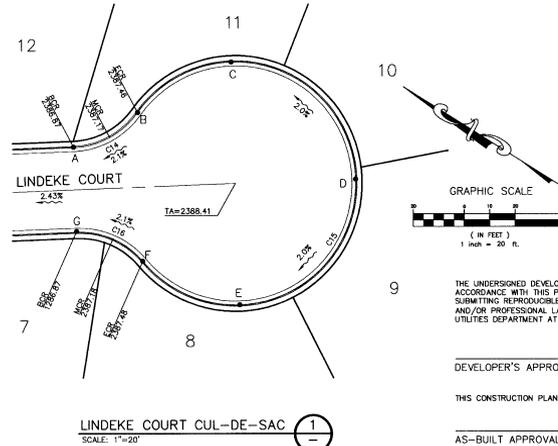
CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C8	32.50'	51.00'	32.50'	45.96'	90°00'00"
C9	32.50'	51.00'	32.50'	45.96'	90°00'00"
C14	32.50'	29.63'	15.93'	28.81'	52°13'46"
C15	47.50'	235.83'	36.81'	58.19'	284°27'32"
C16	32.50'	29.63'	15.93'	28.81'	52°13'46"

CONSTRUCTION NOTES

- ① PROVIDE AND INSTALL "B" TYPE CURB PER SPOKANE COUNTY STANDARD PLAN A-3.
- ② PROVIDE AND INSTALL PAVEMENT PER SECTION, SHEET 2.
- ③ PROVIDE AND INSTALL CURB RAMP DESIGN "A" PER SPOKANE COUNTY STANDARD PLAN A-5.



NOTE: LINDEKE COURT
CONSTRUCTED
IN PHASE 2



SPOKANE COUNTY ENGINEER OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS

PROJECT # 10-04-72
DATE ACCEPTED: 10/24/09
ACCEPTANCE NUMBER: 1124711
PROJECT NAME: JESSE'S BLUFF 3RD
PROJECT LANE MILES PUBLIC: 5.44

DESIGNER: SPOKANE COUNTY ENGINEER OFFICE
CHECKED: SPOKANE COUNTY ENGINEER OFFICE
RECORD DRAWINGS: NO. MADE BY AND REVISIONS FROM:
SPOKANE COUNTY ENGINEER OFFICE
DESIGNER: SPOKANE COUNTY ENGINEER OFFICE
CHECKED: SPOKANE COUNTY ENGINEER OFFICE
RECORD DRAWINGS: NO. MADE BY AND REVISIONS FROM:
DESIGNER: SPOKANE COUNTY ENGINEER OFFICE
CHECKED: SPOKANE COUNTY ENGINEER OFFICE
RECORD DRAWINGS: NO. MADE BY AND REVISIONS FROM:

DEVELOPER'S APPROVAL

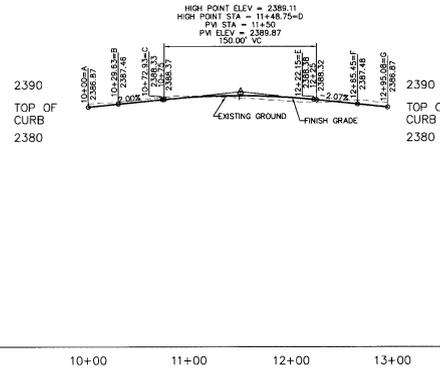
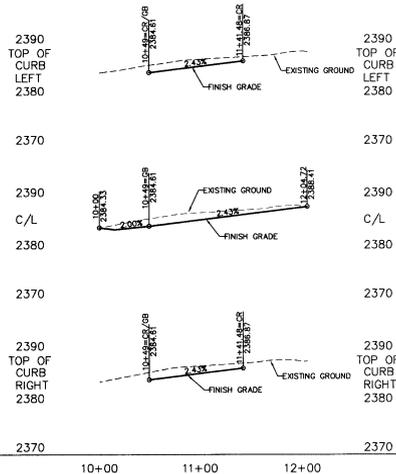
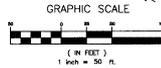
THE UNDERSIGNED DEVELOPER OR HIS ASSIGNS AGREES TO CONSTRUCT IMPROVEMENTS IN ACCORDANCE WITH THIS PLAN, AND UPON COMPLETION, THE DEVELOPER IS RESPONSIBLE FOR SUBMITTING REPRODUCIBLE RECORD DRAWINGS TO BE COMPLETED BY A PROFESSIONAL ENGINEER AND/OR PROFESSIONAL LAND SURVEYOR FOR REVIEW AND APPROVAL BY SPOKANE COUNTY UTILITIES DEPARTMENT AT THE COMPLETION OF CONSTRUCTION.

DEVELOPER'S APPROVAL _____ DATE _____

THIS CONSTRUCTION PLAN EXPIRES ONE (1) YEAR FROM DATE OF APPROVAL.

AS-BUILT APPROVAL (ENGINEER/SURVEYOR) _____ DATE _____

NAV D 88 DATUM
VERTICAL DATUM BASED ON CITY B.M.
LOCATED AT THE INTERSECTION OF
JOHANSEN ROAD AND FIVE MILE ROAD
BRASS CAP MONUMENT = 2401.69
NAV D 88 ELEVATION = 2388.56



SITE DEVELOPMENT CONSTRUCTION PLANS
JESSE'S BLUFF 3RD
LINDEKE COURT STA. 10+00 TO 12+04.72
SPOKANE COUNTY WASHINGTON



JOB NO.	08-469
DRAWN BY:	KJM
DESIGNED BY:	JFS
CHECKED BY:	JFS
DATE:	8/05/09

LINDEKE COURT
PLAN AND
PROFILE

6 OF 13
SHEET

Right of Way
Proposed

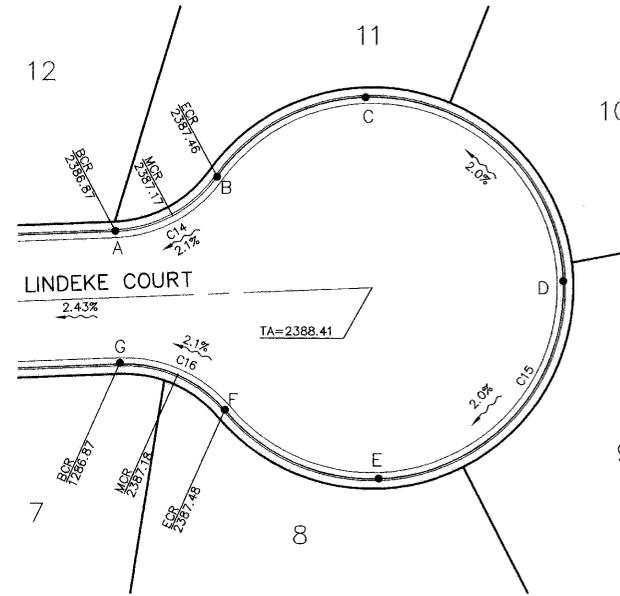
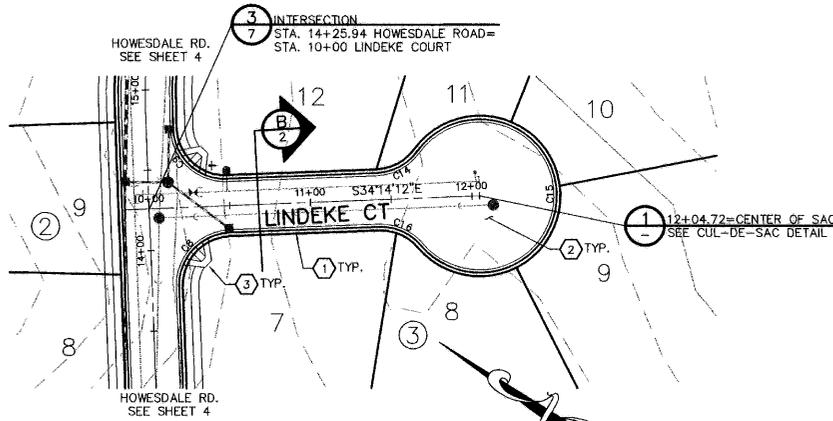
UNDERGROUND SERVICE ALERT
 ONE-CALL NUMBER
 1-800-424-5555
 CALL TWO BUSINESS DAYS BEFORE YOU DIG

SEC. 13, T.26 N., R.42 E., W.M.
 SPOKANE COUNTY, WA

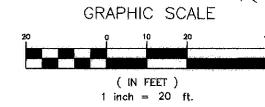
CONSTRUCTION NOTES

- 1 PROVIDE AND INSTALL "B" TYPE CURB PER SPOKANE COUNTY STANDARD PLAN A-3.
- 2 PROVIDE AND INSTALL PAVEMENT PER SECTION, SHEET 2.
- 3 PROVIDE AND INSTALL CURB RAMP DESIGN "A" PER SPOKANE COUNTY STANDARD PLAN A-5.

CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	DELTA	
C8	32.50'	51.05'	32.50'	45.96"	90°00'00"
C9	32.50'	51.05'	32.50'	45.96"	90°00'00"
C14	32.50'	29.63'	15.93'	28.61'	52°13'46"
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C16	32.50'	29.63'	15.93'	28.61'	52°13'46"



SPOKANE COUNTY ENGINEERS OFFICE
 OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
 PROJECT #: P-1964
 DATE ACCEPTED: 07/03/08
 ACCEPTANCE EXPIRES: 07/03/09
 PROJECT LANE MILES PUBLIC: 0.16
 PROJECT LANE MILES PRIVATE: 0.00
 CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, AS-BUILTS ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
 PERMIT REQUIRED! (509) 477-9800
 NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION



DEVELOPER'S APPROVAL

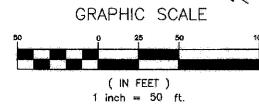
THE UNDERSIGNED DEVELOPER OR HIS ASSIGNS AGREES TO CONSTRUCT IMPROVEMENTS IN ACCORDANCE WITH THIS PLAN, AND UPON COMPLETION, THE DEVELOPER IS RESPONSIBLE FOR SUBMITTING REPRODUCIBLE RECORD DRAWINGS TO BE COMPLETED BY A PROFESSIONAL ENGINEER AND/OR PROFESSIONAL LAND SURVEYOR FOR REVIEW AND APPROVAL BY SPOKANE COUNTY UTILITIES DEPARTMENT AT THE COMPLETION OF CONSTRUCTION.

Alan Hartman
 DEVELOPER'S APPROVAL DATE: 9-22-08

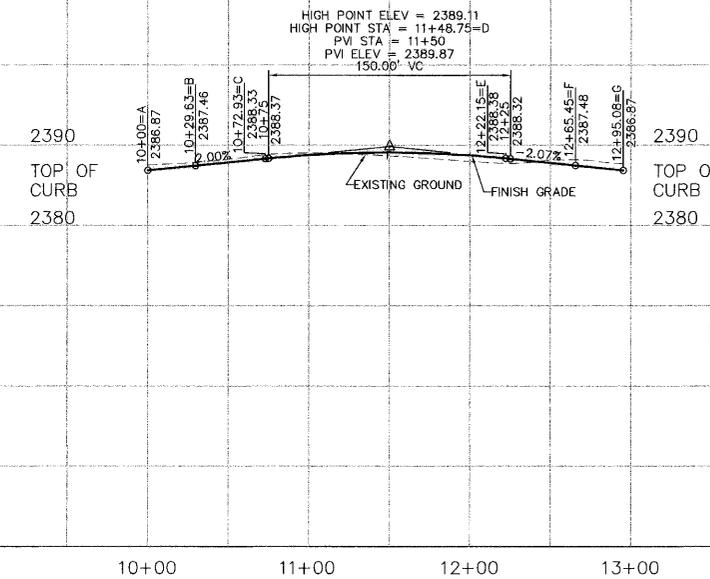
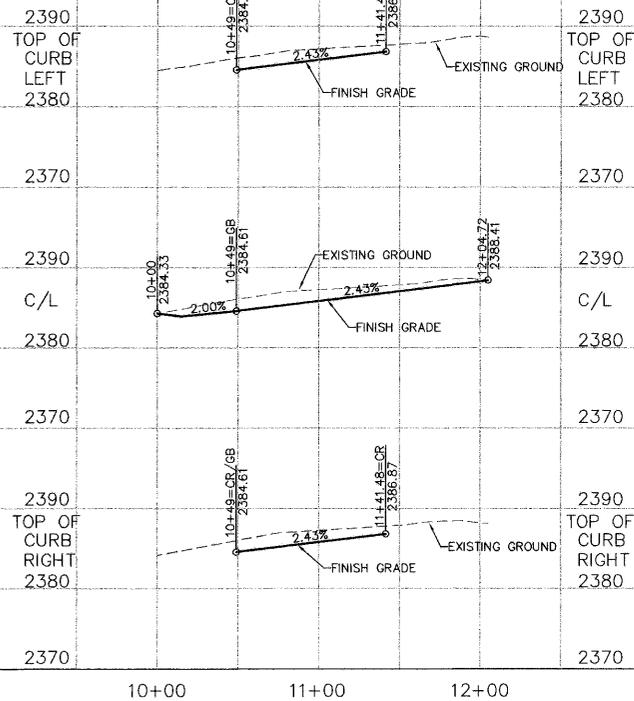
THIS CONSTRUCTION PLAN EXPIRES ONE (1) YEAR FROM DATE OF APPROVAL.

AS-BUILT APPROVAL(ENGINEER/SURVEYOR) DATE

NAV'D 88 DATUM
 VERTICAL DATUM BASED ON CITY B.M. LOCATED AT THE INTERSECTION OF JOHANSEN ROAD AND FIVE MILE ROAD. BRASS CAP MONUMENT = 2401.69 NAV'D88 ELEVATION=2388.56



LINDEKE COURT CUL-DE-SAC
 SCALE: 1"=20'



Samuels
 Engineers
 104 S Freya
 Blue Flag Bldg, Suite 305
 Spokane, WA 99202
 (509) 744-0300

NO.	REVISION	DATE
3	FINAL SUBMITTAL	07/03/08
2	THIRD SUBMITTAL/RESPONSE TO COUNTY COMMENTS	07/27/08
1	SECOND SUBMITTAL/RESPONSE TO COUNTY COMMENTS	07/21/08

SITE DEVELOPMENT CONSTRUCTION PLANS
 JESSE'S BLUFF 3RD
 LINDEKE COURT STA. 10+00 TO 12+04.72
 SPOKANE COUNTY WASHINGTON



JOB NO: 08-469
 DRAWN BY: KJM DESIGNED BY: JFS
 CHECKED BY: JFS DATE: 07/03/08

LINDEKE COURT
 PLAN AND
 PROFILE

6 OF 13
 SHEET

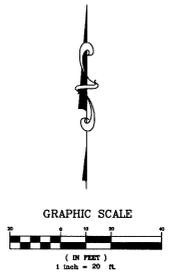
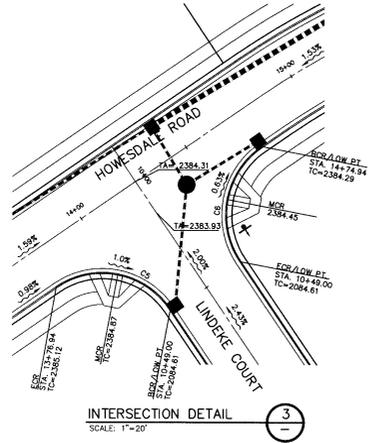
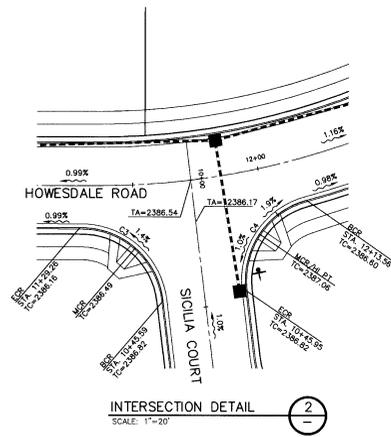
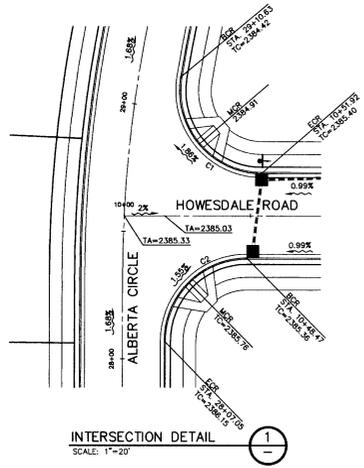
P1964 Eng Road Drainage

SEC. 13, T.26 N., R.42 E., W.M.
SPOKANE COUNTY, WASHINGTON

CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C1	32.50'	96.27'	38.18'	46.50'	99°11'07"
C2	32.50'	31.05'	32.50'	45.98'	90°00'00"
C3	32.50'	47.82'	29.42'	43.62'	84°18'00"
C4	32.50'	45.47'	28.20'	42.61'	81°53'44"
C5	32.50'	51.05'	32.50'	45.96'	90°00'00"
C6	32.50'	51.05'	32.50'	45.96'	90°00'00"

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800-424-5555
CALL BEFORE YOU DIG

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # 11944
DATE ACCEPTED: 8/5/09
DESIGNED BY: J.F.S.
PROJECT LANE MILES PUBLIC: 0.00
CONSTRUCTION DOCUMENT ANTI-CORRUPTION
RECORD CHANGES AND RFP ARE REQUIRED PRIOR
TO COUNTY ACCEPTANCE AND INSTALLMENT OF
ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
BEST PRACTICES REQUIRED FOR MAINTENANCE
NOTIFY PLUMBER IN 11-11-12 BUSINESS DAYS
PROJECT # 11944



NAV D 88 DATUM
VERTICAL DATUM BASED ON CITY B.M.
LOCATED AT THE INTERSECTION OF
JOHANSEN ROAD AND FIVE MILE ROAD
BRASS CAP MONUMENT # 2401.69
NAV D88 ELEVATION = 2388.56

DEVELOPER'S APPROVAL
THE UNDERSIGNED DEVELOPER OR HIS ASSIGNS AGREES TO CONSTRUCT IMPROVEMENTS IN ACCORDANCE WITH THIS PLAN, AND UPON COMPLETION, THE DEVELOPER IS RESPONSIBLE FOR SUBMITTING REPRODUCIBLE RECORD DRAWINGS TO BE COMPLETED BY A PROFESSIONAL ENGINEER AND/OR PROFESSIONAL LAND SURVEYOR FOR REVIEW AND APPROVAL BY SPOKANE COUNTY UTILITIES DEPARTMENT AT THE COMPLETION OF CONSTRUCTION.

DEVELOPER'S APPROVAL _____ DATE _____
THIS CONSTRUCTION PLAN EXPIRES ONE (1) YEAR FROM DATE OF APPROVAL.
AS-BUILT APPROVAL(ENGINEER/SURVEYOR) _____ DATE _____

NO.	DATE	DESCRIPTION
1	8/5/09	DATE
2	8/5/09	DATE
3	8/5/09	DATE
4	8/5/09	DATE
5	8/5/09	DATE
6	8/5/09	DATE
7	8/5/09	DATE
8	8/5/09	DATE
9	8/5/09	DATE
10	8/5/09	DATE
11	8/5/09	DATE
12	8/5/09	DATE

SITE DEVELOPMENT CONSTRUCTION PLANS
JESSE'S BLUFF 3RD
INTERSECTION DETAILS
WASHINGTON
SPOKANE COUNTY



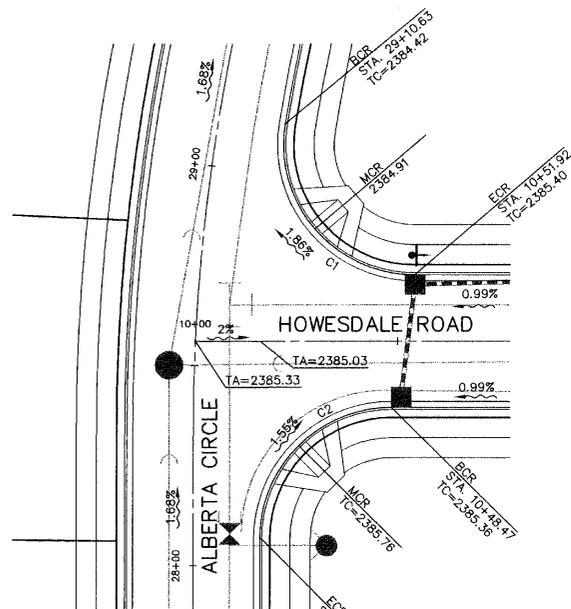
08-469
DRAWN BY: K.M. J.F.S.
DESIGNED BY: J.F.S.
DATE: 8/05/09
INTERSECTION DETAILS
7 of 13
P1964 updated Eng'ood Design

SEC. 13, T.26 N., R.42 E., W.M.
SPOKANE COUNTY, WASHINGTON

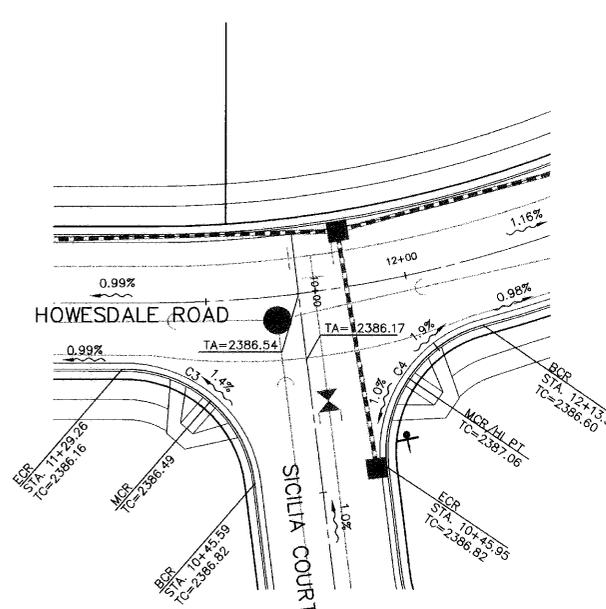
UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800-474-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C1	32.50'	56.27'	38.18'	49.50'	99°11'37"
C2	32.50'	51.05'	32.50'	45.96'	90°00'00"
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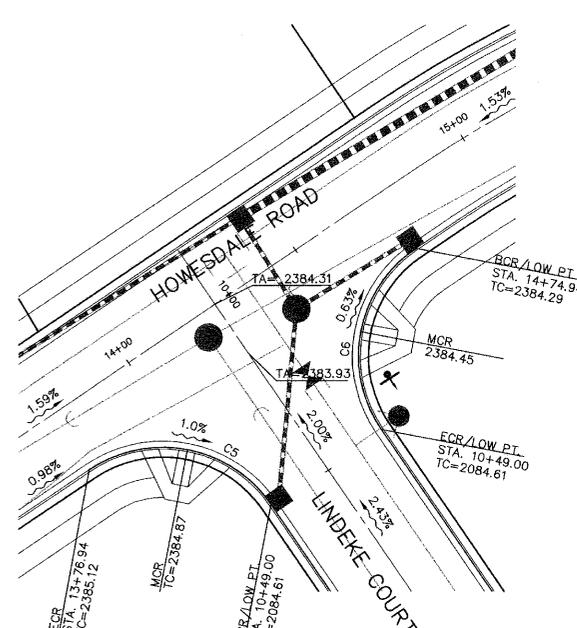
Spawers Engineering
 Topographic, 104 S. Front
 Blue Flag Bldg., Suite 305
 Spokane, WA 99202
 (509) 744-0300



INTERSECTION DETAIL 1
SCALE: 1"=20'

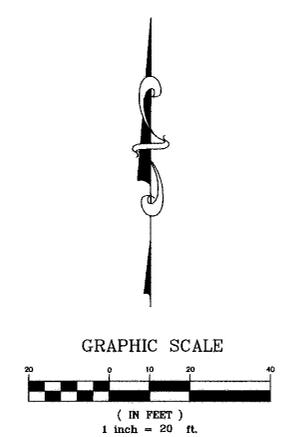


INTERSECTION DETAIL 2
SCALE: 1"=20'



INTERSECTION DETAIL 3
SCALE: 1"=20'

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
 PROJECT #: P-1964
 DATE ACCEPTED: 9/11/08
 ACCEPTANCE EXPIRES: 9/11/09
 PROJECT LANE MILES PUBLIC: 0.16
 PROJECT LANE MILES PRIVATE: 0.00
 CONSTRUCTION DOCUMENTS AND PERMITS
 RECORD DRAWINGS, AND BIDDING ARE REQUIRED PRIOR
 TO COUNTY ACCEPTANCE AND REQUIREMENT OF THE
 ROADS AND DRAINAGE DEPARTMENT FOR MAINTENANCE.
 FEE/NOTICE REQUIRED: (509) 477-3600
 NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS
 PRIOR TO CONSTRUCTION



NAV'D 88 DATUM
 VERTICAL DATUM BASED ON CITY B.M.
 LOCATED AT THE INTERSECTION OF
 JOHANSEN ROAD AND FIVE MILE ROAD
 BRASS CAP MONUMENT = 2401.69
 NAVD88 ELEVATION=2388.56

DEVELOPER'S APPROVAL
 THE UNDERSIGNED DEVELOPER OR HIS ASSIGNS AGREES TO CONSTRUCT IMPROVEMENTS IN ACCORDANCE WITH THIS PLAN, AND UPON COMPLETION, THE DEVELOPER IS RESPONSIBLE FOR SUBMITTING REPRODUCIBLE RECORD DRAWINGS TO BE COMPLETED BY A PROFESSIONAL ENGINEER AND/OR PROFESSIONAL LAND SURVEYOR FOR REVIEW AND APPROVAL BY SPOKANE COUNTY UTILITIES DEPARTMENT AT THE COMPLETION OF CONSTRUCTION.

Rick Hutton
 DEVELOPER'S APPROVAL
 DATE: 9-22-08

THIS CONSTRUCTION PLAN EXPIRES ONE (1) YEAR FROM DATE OF APPROVAL.

AS-BUILT APPROVAL(ENGINEER/SURVEYOR) DATE

NO.	REVISION	DATE
1	FINAL SUBMITTAL	07/03/08
2	THIRD SUBMITTAL RESPONSE TO COUNTY COMMENTS	07/17/08
3	SECOND SUBMITTAL RESPONSE TO COUNTY COMMENTS	07/17/08

SITE DEVELOPMENT CONSTRUCTION PLANS
JESSE'S BLUFF 3RD
 INTERSECTION DETAILS
 SPOKANE COUNTY WASHINGTON

JOHN RANK SAUNDERS
 REGISTERED PROFESSIONAL ENGINEER
 36212
 7/21/08

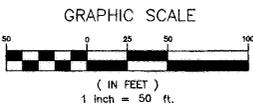
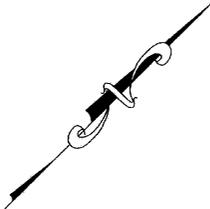
JOB NO: 08-469
 DRAWN BY: KJM
 DESIGNED BY: JFS
 CHECKED BY: JFS
 DATE: 07/03/08

INTERSECTION DETAILS
 7 of 13
 SHEET

P.1964 Eng Road Drainage

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800-424-5555
 CALL TWO BUSINESS DAYS BEFORE YOU DIG

NAVD 88 DATUM
 VERTICAL DATUM BASED ON CITY B.M. LOCATED AT THE INTERSECTION OF JOHANSEN ROAD AND FIVE MILE ROAD. BRASS CAP MONUMENT = 2401.69 NAVD88 ELEVATION=2388.56



SEC. 13, T.26 N., R.42 E., W.M.
 SPOKANE COUNTY, WA

CONSTRUCTION NOTES

- 1 PROVIDE AND INSTALL TYPE 1 CATCH BASIN PER SPOKANE COUNTY STANDARD PLAN B-4, WITH TYPE 1 FRAME AND TYPE 3 GRATE PER SPOKANE COUNTY STANDARD PLANS B-10 AND B-14, WITH ORIFICE PER DETAIL, THIS SHEET.
- 2 EXISTING PIPE INVERT TO BE LOWERED PER PROFILE.
- 3 PROVIDE AND INSTALL HDPE STORM PIPE PER SPOKANE COUNTY STANDARD SPECIFICATIONS, SIZE PER PROFILE. SEE PROFILE BELOW FOR MORE INFORMATION.
- 4 CONNECT TO EXISTING CATCH BASIN PER SPOKANE COUNTY STANDARDS.
- 5 PROVIDE AND INSTALL 48" MANHOLE TYPE III-48 PER SPOKANE COUNTY STANDARD PLAN U-5.
- 6 EXISTING STORM MANHOLE AND STORM PIPE TO BE REMOVED.
- 7 PROVIDE AND INSTALL TYPE 1L CATCH BASIN WITH FRAME AND GRATE PER WSDOT STANDARD PLANS B-5.40-00, B-30.40-00, AND B-25.20-00.
- 8 PROVIDE AND INSTALL TYPE 1 CATCH BASIN WITH TYPE 2 FRAME AND TYPE 3 GRATE PER SPOKANE COUNTY STANDARD PLANS B-4, B-11 AND B-14.
- 9 CONSTRUCT RIPRAP PAD PER SPECIFICATIONS IN DETAIL 6, THIS SHEET.
- 10 CONNECT TO EXISTING OUTLET STRUCTURE.
- 11 PROVIDE AND INSTALL TYPE 2 CATCH BASIN, 48" DIA., WITH FRAME AND GRATE PER WSDOT STANDARD PLANS B-10.20-00, B-30.10-00, AND B-30.40-00, WITH ORIFICE PER DETAIL, THIS SHEET.
- 12 PROVIDE AND INSTALL TYPE 1L CATCH BASIN WITH FRAME AND GRATE PER WSDOT STANDARD PLANS B-5.40.00, B-30.10-00, AND B-30.30-00.
- 13 INSTALL TRASH RACK AT PIPE END.
- 14 STA. 38+72.68: INSTALL TYPE 1 CURB INLET WITH CONCRETE APRON PER SPOKANE COUNTY STANDARD PLAN B-8.
- 15 PROVIDE AND INSTALL 6-FOOT FENCE WITH 14-FOOT WIDE GATE AT ACCESS POINT.

DEVELOPER'S APPROVAL

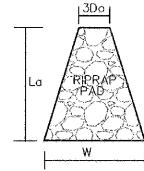
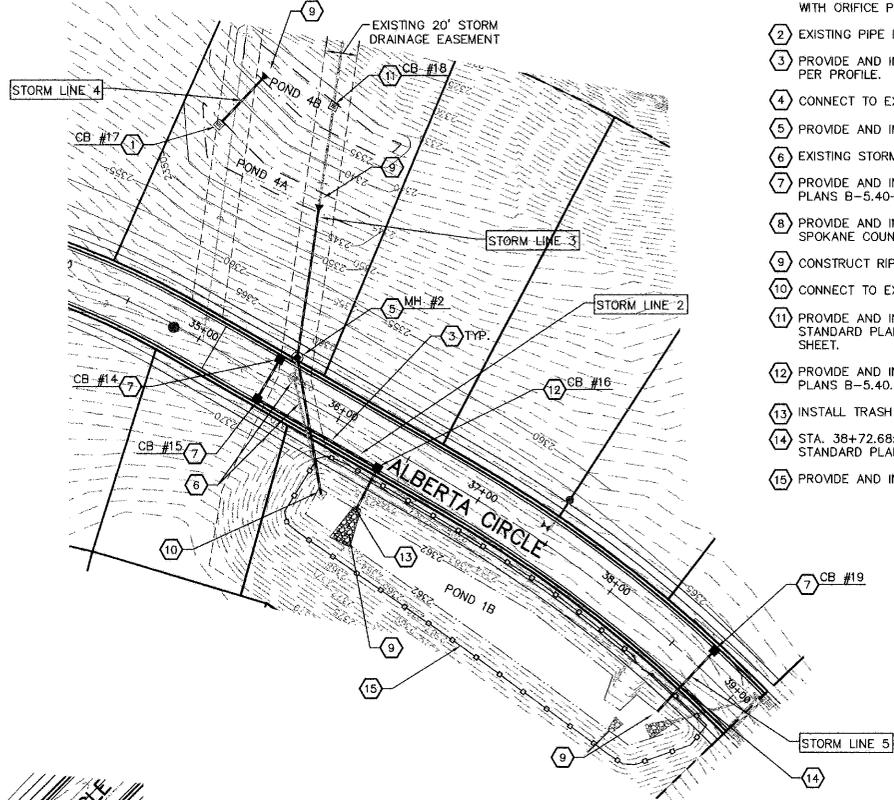
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Robert H. ...
 DEVELOPER'S APPROVAL

8-22-08
 DATE

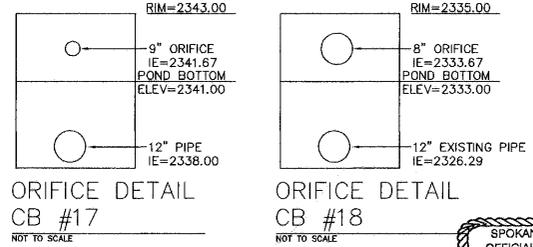
THIS CONSTRUCTION PLAN EXPIRES ONE (1) YEAR FROM DATE OF APPROVAL.

AS-BUILT APPROVAL(ENGINEER/SURVEYOR) _____ DATE _____



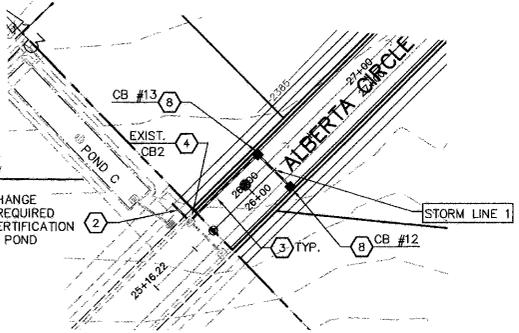
NOTE:
 RIPRAP PAD MUST BE INSTALLED WITH FILTER FABRIC (AMOCO OR EQUAL) BETWEEN THE NATIVE SOIL AND THE WASHED DRAIN ROCK.

RIPRAP PAD DIMENSIONS				
POND	La	Lb	W	STONE SIZE THICK.
1B	4.5'	24.2'	14.2'	6" MIN. 1.0'

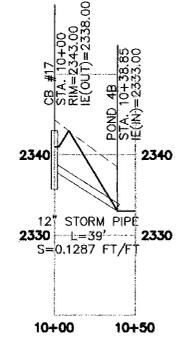


TYPICAL RIPRAP PAD
 NOT TO SCALE

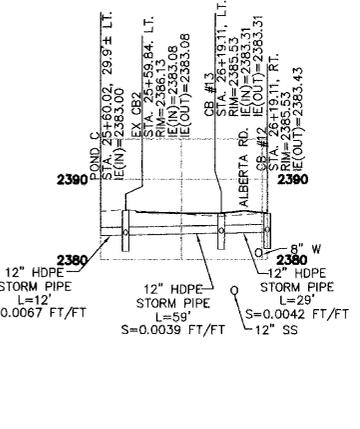
NOTE
 CATION EXCHANGE TESTING IS REQUIRED PRIOR TO CERTIFICATION OF EXISTING POND



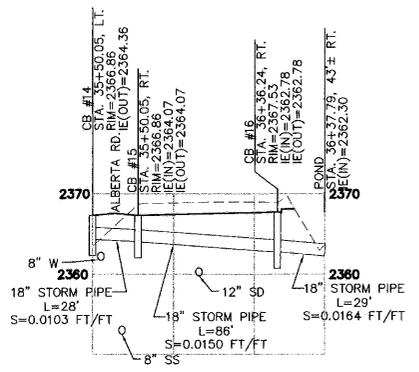
SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
 PROJECT #:
 DATE ACCEPTED:
 ACCEPTANCE EXPIRES:
 PROJECT LANE MILES PAVED:
 PROJECT LANE MILES PRIVATE:
 CONSTRUCTION BODILY DAMAGE AND CERTIFIED RECORD DRAWINGS, AND/OR BY THE DEVELOPER FROM TO COUNTY ACCEPTANCE TO EQUAL SERVICE OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
 PERMIT REQUIRED (360) 477-5000
 NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION



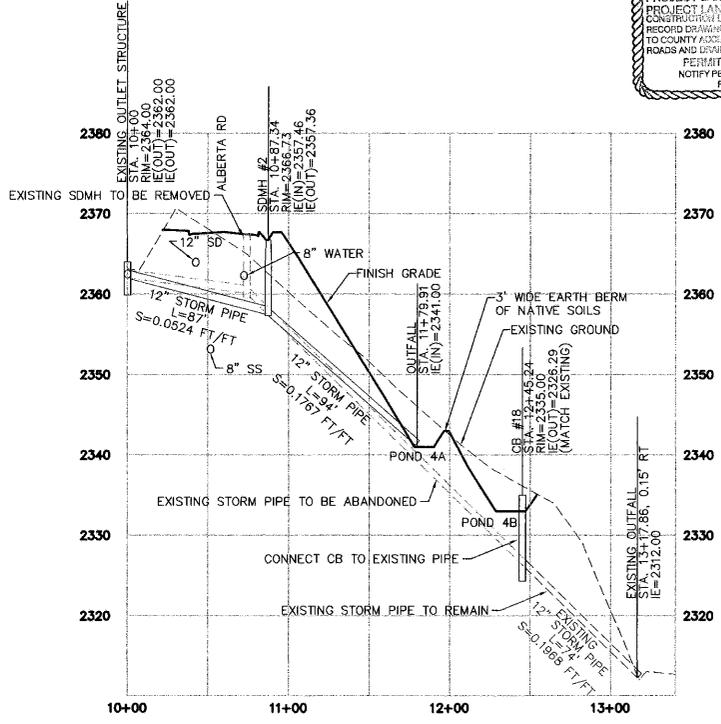
STORM LINE 4 PROFILE
 SCALE: 1"=50' HORIZ., 1"=10' VERT.



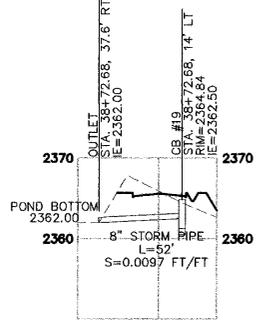
STORM LINE 1 PROFILE
 SCALE: 1"=50' HORIZ., 1"=10' VERT.



STORM LINE 2 PROFILE
 SCALE: 1"=50' HORIZ., 1"=10' VERT.



STORM LINE 3 PROFILE
 SCALE: 1"=50' HORIZ., 1"=10' VERT.



STORM LINE 5 PROFILE
 SCALE: 1"=50' HORIZ., 1"=10' VERT.

SAVINGS
 Tapio Center, 104 S Freya
 Blue Flag Bldg, Suite 305
 Spokane, WA 99202
 (509) 744-0500

SITE DEVELOPMENT CONSTRUCTION PLANS
JESSE'S BLUFF 3RD
 ALBERTA ROAD STA. 25+16.22 TO 39+63.44
 SPOKANE COUNTY WASHINGTON



Job no. 08-469
 DRAWN BY: KJM
 DESIGNED BY: JFS
 CHECKED BY: JFS
 DATE: 07/03/08

ALBERTA ROAD STORM PLAN AND PROFILES
 8 OF 13

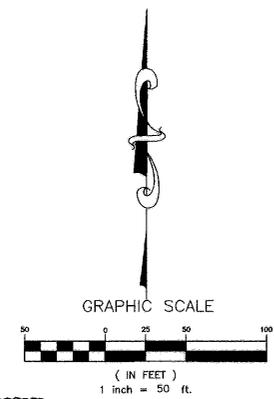
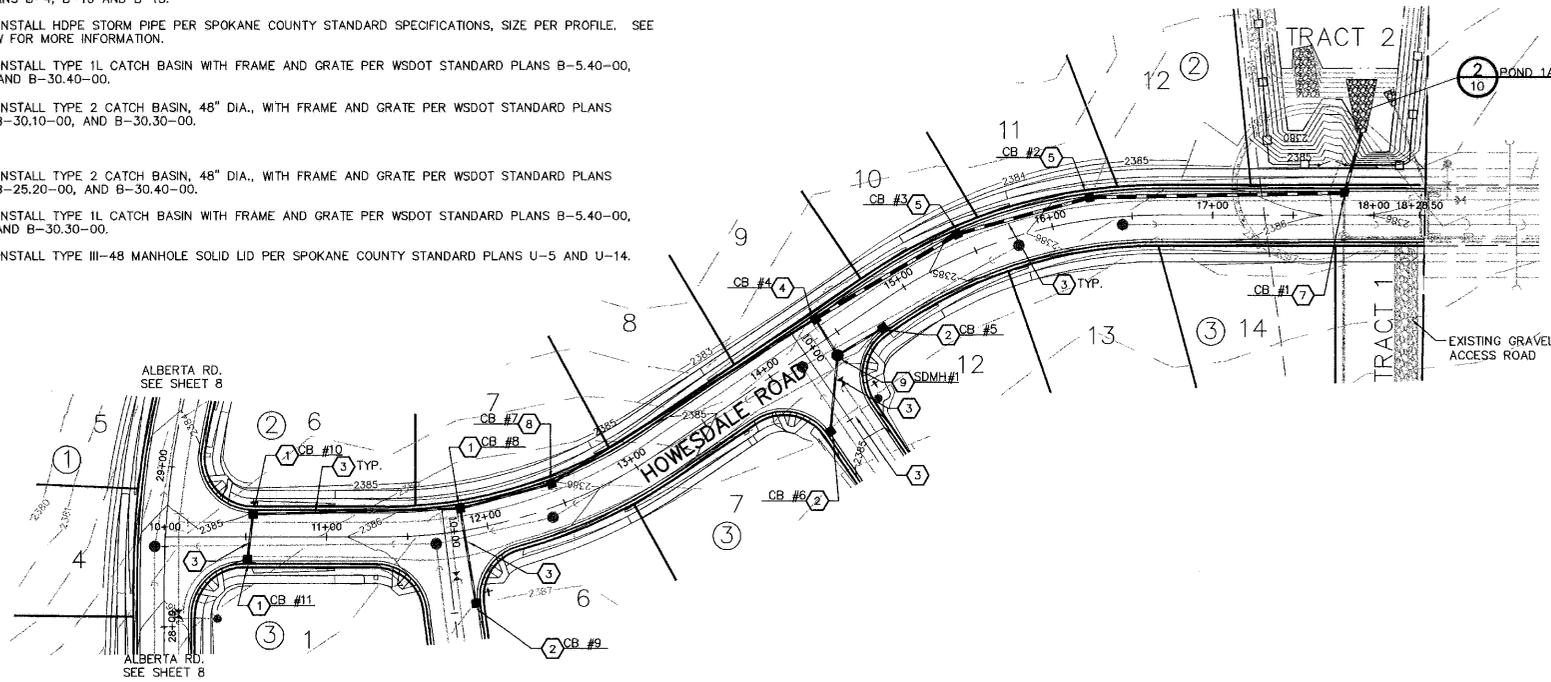
P-1964 Eng Road Drainage

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800-424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG

CONSTRUCTION NOTES

- 1 PROVIDE AND INSTALL TYPE 1 CATCH BASIN WITH TYPE 1 FRAME AND TYPE 2 GRATE PER SPOKANE COUNTY STANDARD PLANS B-4, B-10 AND B-12.
- 2 PROVIDE AND INSTALL TYPE 1 CATCH BASIN WITH TYPE 2 FRAME AND TYPE 3 GRATE PER SPOKANE COUNTY STANDARD PLANS B-4, B-10 AND B-13.
- 3 PROVIDE AND INSTALL HDPE STORM PIPE PER SPOKANE COUNTY STANDARD SPECIFICATIONS, SIZE PER PROFILE. SEE PROFILE BELOW FOR MORE INFORMATION.
- 4 PROVIDE AND INSTALL TYPE 1L CATCH BASIN WITH FRAME AND GRATE PER WSDOT STANDARD PLANS B-5.40-00, B-25.20-00, AND B-30.40-00.
- 5 PROVIDE AND INSTALL TYPE 2 CATCH BASIN, 48" DIA., WITH FRAME AND GRATE PER WSDOT STANDARD PLANS B-10.20-00, B-30.10-00, AND B-30.30-00.
- 6 NOT USED
- 7 PROVIDE AND INSTALL TYPE 2 CATCH BASIN, 48" DIA., WITH FRAME AND GRATE PER WSDOT STANDARD PLANS B-10.20-00, B-25.20-00, AND B-30.40-00.
- 8 PROVIDE AND INSTALL TYPE 1L CATCH BASIN WITH FRAME AND GRATE PER WSDOT STANDARD PLANS B-5.40-00, B-30.10-00, AND B-30.30-00.
- 9 PROVIDE AND INSTALL TYPE III-48 MANHOLE SOLID LID PER SPOKANE COUNTY STANDARD PLANS U-5 AND U-14.

SEC. 13, T.26 N., R.42 E., W.M.
SPOKANE COUNTY, WA



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P-1964
DATE ACCEPTED: 3/14/08
ACCEPTANCE EXPIRES: 3/14/09
PROJECT LANE MILES PUBLIC: 0.346
PROJECT LANE MILES PRIVATE: 0.000
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, HAS BEING FILED RECORDED PRIOR TO COUNTY ASSUMES RESPONSIBILITY OF THE ROADS AND DRIVEWAYS FOR MAINTENANCE.
PERMIT REQUIRED: (509) 477-3000
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

DEVELOPER'S APPROVAL

THE UNDERSIGNED DEVELOPER OR HIS ASSIGNS AGREES TO CONSTRUCT IMPROVEMENTS IN ACCORDANCE WITH THIS PLAN, AND UPON COMPLETION, THE DEVELOPER IS RESPONSIBLE FOR SUBMITTING REPRODUCIBLE RECORD DRAWINGS TO BE COMPLETED BY A PROFESSIONAL ENGINEER AND/OR PROFESSIONAL LAND SURVEYOR FOR REVIEW AND APPROVAL BY SPOKANE COUNTY UTILITIES DEPARTMENT AT THE COMPLETION OF CONSTRUCTION.

Ralph Hutton
DEVELOPER'S APPROVAL

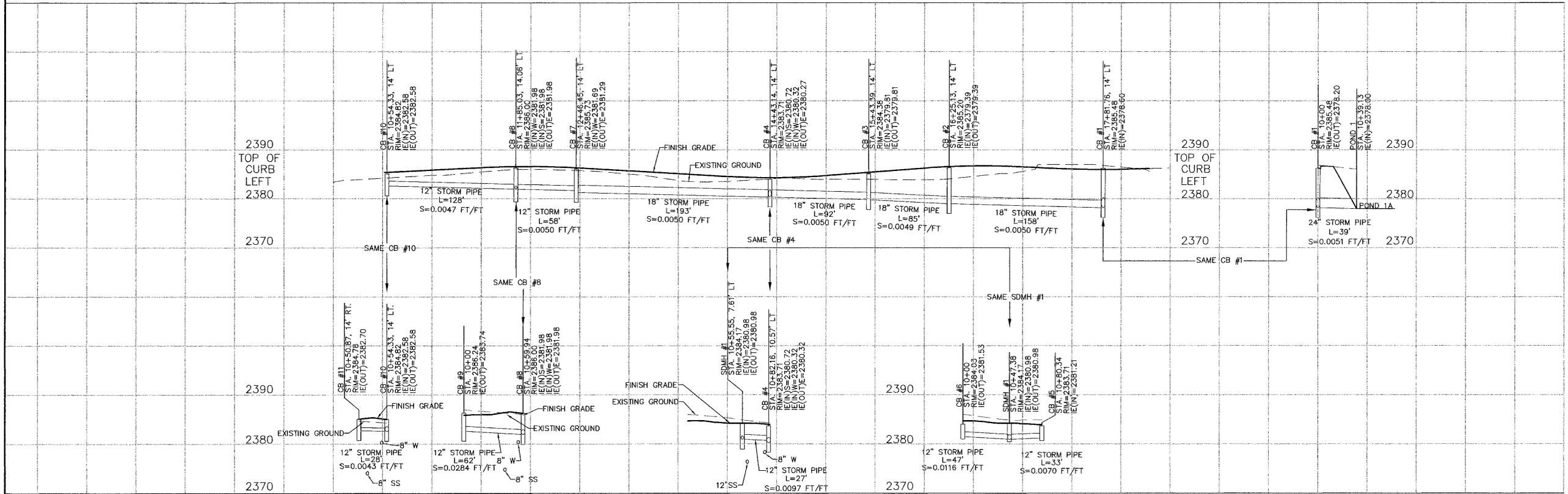
3-22-08
DATE

THIS CONSTRUCTION PLAN EXPIRES ONE (1) YEAR FROM DATE OF APPROVAL.

AS-BUILT APPROVAL(ENGINEER/SURVEYOR)

DATE

NAV'D 88 DATUM
VERTICAL DATUM BASED ON CITY B.M. LOCATED AT THE INTERSECTION OF JOHANSEN ROAD AND FIVE MILE ROAD
BRASS CAP MONUMENT = 2401.69
NAV'D88 ELEVATION=2388.56



Sawyer Engineers
Tapio Center, 104 S Freya
Blue Flag Bldg., Suite 305
Spokane, WA 99202
(509) 744-0500

NO.	REVISION	DATE
3	FINAL SUBMITTAL	07/03/08
2	THIRD SUBMITTAL/RESPONSE TO COUNTY COMMENTS	02/27/08
1	SECOND SUBMITTAL/RESPONSE TO COUNTY COMMENTS	10/25/07

SITE DEVELOPMENT CONSTRUCTION PLANS
JESSE'S BLUFF 3RD
HOWSDALE ROAD STA. 10+00.00 TO 18+28.50
SPOKANE COUNTY WASHINGTON



JOB NO. 08-469
DRAWN BY: KJM
DESIGNED BY: JFS
CHECKED BY: JFS
DATE: 07/03/08

HOWSDALE STORM PLAN AND PROFILE

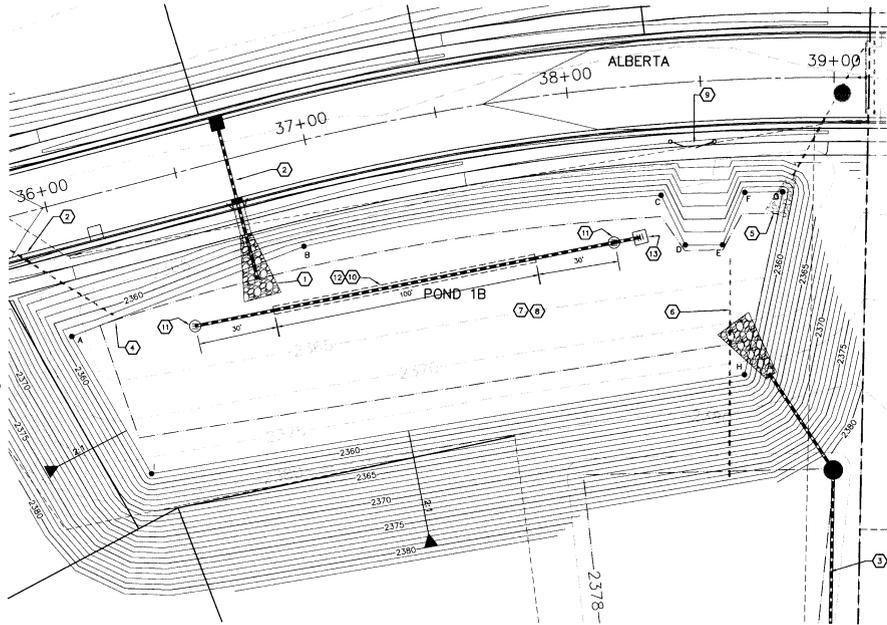
9 OF 13
SHEET

P-1964 Eng Road Drainage



CONSTRUCTION NOTES

1. CONSTRUCT RIPRAP PAD PER SPECIFICATIONS IN DETAIL 3, THIS SHEET.
2. SEE SHEET 8 FOR STORM PROFILE INFORMATION.
3. SEE SHEET 9 FOR STORM PROFILE INFORMATION.
4. RELOCATE EXISTING OUTLET STRUCTURE. SEE PROFILE SHEET 9 FOR MORE INFORMATION.
5. REMOVE EXISTING RIPRAP AND REINSTALL PER NEW POND LOCATION.
6. REMOVE EXISTING STORM PIPE.
7. CONSTRUCT POND PER DETAIL, THIS SHEET.
8. ENLARGE EXISTING POND TO NEW DIMENSIONS SHOWN.
9. PROVIDE AND INSTALL 8'-FOOT FENCE AROUND PERIMETER OF POND WITH 14'-FOOT WIDE GATE AT ACCESS POINT.
10. SEE GALLERY DETAIL THIS SHEET.
11. TYPE A DRYWELL.
12. 3" WIDE X 3' TALL GRAVEL GALLERY.
13. CONTROL STRUCTURE.



POND "1B"

FINISHED GRADE POND BOTTOM EL.=2358.00
POND BOTTOM AREA PROVIDED=12,392 S.F.
MINIMUM BERM ELEV.=2363.00

POND 1B BOTTOM LOCATION TABLE
(ALBERTA CIRCLE STATION & OFFSET)

POINT	STATION	OFFSET
A	35+97.01	49.27' RT
B	35+190.05	38.75' RT
C	38+32.07	41.60' RT
D	38+40.00	60.88' RT
E	38+56.18	61.60' RT
F	38+64.89	42.30' RT
G	38+79.82	42.50' RT
H	38+61.86	110.53' RT
I	38+11.81	106.52' RT

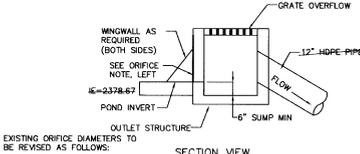
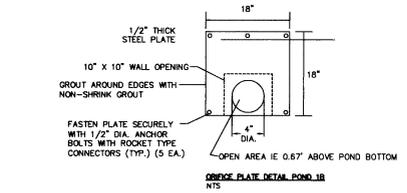
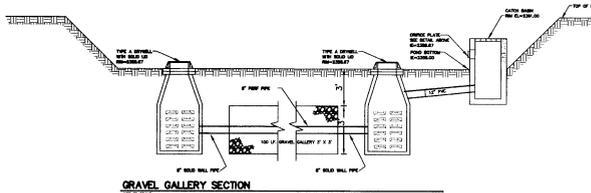
POND 1B BOTTOM

CHORD	LENGTH
A-B	93.74'
B-C	205.74'
C-D	207.24'
D-E	21.30'
E-F	69.57'
F-G	141.17'
G-H	69.57'
H-I	69.57'
I-A	69.57'

OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS

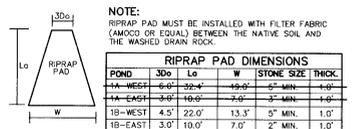
PROJECT # 08-469
DATE ACCEPTED: 11/26/09
ACCEPTANCE EXPIRES: 11/26/10
PROJECT LANE MILES PUBLIC: 0.00

DESIGNER: SPOKANE COUNTY ENGINEERS
CHECKED: SPOKANE COUNTY ENGINEERS
IN CHARGE: SPOKANE COUNTY ENGINEERS
DATE: 08/05/09
NOTIFY PERMIT ENGINEER'S BUSINESS DAYS
PHONE: (509) 343-2222



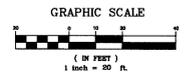
POND 1B DETAIL
SCALE: 1"=20'

NOTE: PHASE I CONSTRUCTION.



RIPRAP PAD DIMENSIONS

POND	3do	Lo	W	STONE SIZE	THICK.
1A-WEST	6'-0"	32'-4"	49'-0"	6"	1'-0"
1A-EAST	6'-0"	18'-0"	7'-0"	6"	1'-0"
1B-WEST	4'-5"	22'-0"	13'-3"	6"	1'-0"
1B-EAST	3'-0"	10'-0"	7'-0"	2"	1'-0"



~~**POND "4A"**~~

FINISHED GRADE POND BOTTOM EL.=2341.00
POND BOTTOM AREA PROVIDED=1618 S.F.
MINIMUM BERM ELEV.=2350.00

~~**POND 4A BOTTOM LOCATION TABLE**~~
(ALBERTA CIRCLE STATION & OFFSET)

POINT	STATION	OFFSET
A	35+97.01	61.98' LT
B	35+190.05	175.82' LT
C	38+32.07	164.87' LT
D	38+40.00	167.85' LT
E	38+47.50	167.85' LT
F	38+42.87	154.49' LT
G	38+64.89	167.17' LT
H	38+49.72	167.87' LT

~~**POND "4B"**~~

FINISHED GRADE POND BOTTOM EL.=2333.00
POND BOTTOM AREA PROVIDED=1784 S.F.
MINIMUM BERM ELEV.=2340.00

~~**POND 4B BOTTOM LOCATION TABLE**~~
(ALBERTA CIRCLE STATION & OFFSET)

POINT	STATION	OFFSET
A	35+97.01	131.17' LT
B	35+190.05	119.02' LT
C	38+32.07	119.02' LT
D	38+42.87	106.50' LT
E	38+64.89	102.39' LT
F	38+45.01	107.70' LT

~~**POND 4A BOTTOM**~~

CHORD	LENGTH
A-B	107.44'
B-C	107.44'
C-D	107.44'
D-E	107.44'
E-F	107.44'
F-G	107.44'
G-H	107.44'
H-I	107.44'
I-A	107.44'

~~**POND 4B BOTTOM**~~

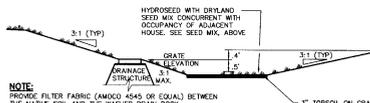
CHORD	LENGTH
A-B	68.49'
B-C	68.49'
C-D	68.49'
D-E	68.49'
E-F	68.49'
F-G	68.49'
G-H	68.49'
H-I	68.49'
I-A	68.49'

EXISTING ORIFICE DIAMETERS TO BE REVISED AS FOLLOWS:
POND 1A = 18"
POND 1B = 4" - E 2358.67
POND 2 = 3.0"

EXISTING OUTLET CONTROL STRUCTURES

***DRYLAND GRASS SEED MIX**
SPOKANE COUNTY PUBLIC WORKS, FEBRUARY 1998
GRASS SEED: PROVIDE FRESH, CLEAN, NEW CROP SEED COMPLYING WITH TOLERANCE OF PURITY AND GERMINATION ESTABLISHED BY THE OFFICIAL SEED ANALYSIS OF NORTH AMERICA. PROVIDE SEED MIXTURE COMPOSED OF GRASS SPECIES AND PERCENTAGES AS FOLLOWS:
20% ELKA PERENNIAL RYE
50% DURAK HARD FESCUE
45% COVAR SHEEP FESCUE
15% REBURGS CANADIAN BLUEGRASS
FERTILIZER MIXTURE COMPOSED OF GRASS SEED AND FERTILIZER IN PERCENTAGES AS FOLLOWS:
GRASS SEED: 90 LBS PER ACRE
FERTILIZER: 16-16-16 TIMED RELEASE COMPOSITION, 300 LBS PER ACRE

ALL SEEDING OF SLOPES SHALL BE DONE IN ACCORDANCE WITH THE W.S.D.O.T. STANDARD SPECIFICATIONS, SEC. 8-01.
APPLY MULCH PER SECTION 2-5.3.2 IN APPENDIX K OF THE GSM.



POND WITH DRAINAGE STRUCTURE
NOT TO SCALE

TYPICAL RIPRAP PAD
NOT TO SCALE

DEVELOPER'S APPROVAL

THE UNDERSIGNED DEVELOPER OR HIS ASSIGNS AGREES TO CONSTRUCT IMPROVEMENTS IN ACCORDANCE WITH THIS PLAN, AND UPON COMPLETION, THE DEVELOPER IS RESPONSIBLE FOR SUBMITTING REPRODUCIBLE RECORD DRAWINGS TO BE COMPLETED BY A PROFESSIONAL ENGINEER AND/OR PROFESSIONAL LAND SURVEYOR FOR REVIEW AND APPROVAL BY SPOKANE COUNTY UTILITIES DEPARTMENT AT THE COMPLETION OF CONSTRUCTION.

DEVELOPER'S APPROVAL _____ DATE _____

THIS CONSTRUCTION PLAN EXPIRES ONE (1) YEAR FROM DATE OF APPROVAL.

AS-BUILT APPROVA(L ENGINEER/SURVEYOR) _____ DATE _____

Sayers Engineering
Trent Ooster, 104 S. Frong
Spokane, WA 99202
(509) 744-0300

SITE DEVELOPMENT CONSTRUCTION PLANS
JESSE'S BLUFF 3RD
POND DETAILS
WASHINGTON
SPOKANE COUNTY

08-469

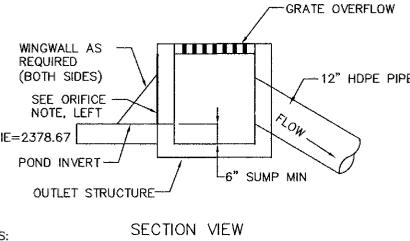
DRAWN BY: JFS
CHECKED BY: JFS
DATE: 08/05/09

POND DETAILS

10 of 13

Eng. Road Drainage

SEC. 13, T.26 N., R.42 E., W.M.
SPOKANE COUNTY, WASHINGTON



EXISTING ORIFICE DIAMETERS TO BE REVISED AS FOLLOWS:

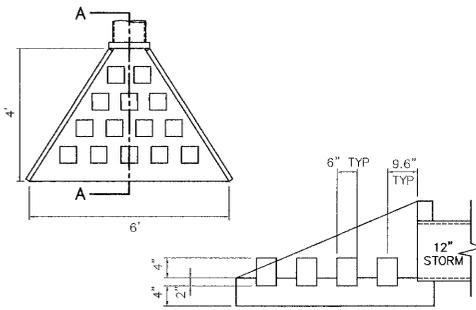
- POND 1A = 1.8"
- POND 1B = 2.5"
- POND 2 = 3.0"

EXISTING OUTLET CONTROL STRUCTURES

NOT TO SCALE

CONSTRUCTION NOTES

1. CONSTRUCT RIPRAP PAD PER SPECIFICATIONS IN DETAIL 3, THIS SHEET.
2. SEE SHEET 8 FOR STORM PROFILE INFORMATION.
3. CUT EXISTING PIPE END BACK TO NEW POND BOTTOM AND REMOVE UNUSED PORTION OF PIPE.
4. REMOVE EXISTING RIPRAP AND INSTALL AT NEW PIPE OUTFALL LOCATION.
5. REMOVE EXISTING STORM PIPE.
6. CUT EXISTING PIPE AND INSTALL CATCH BASIN.
7. CONSTRUCT POND PER DETAIL, THIS SHEET.
8. ENLARGE EXISTING POND TO NEW DIMENSIONS SHOWN.
9. CONSTRUCT CONCRETE DISSIPATOR PER DETAIL 5, THIS SHEET.
10. PROVIDE AND INSTALL 6-FOOT FENCE WITH 14-FOOT WIDE GATE AT ACCESS POINT.



SECTION A-A

NOTES:

1. USE CLASS 'A' CONCRETE, FC=3000 PSI AT 28 DAYS UNLESS NOTED.
2. PLACE 4 ROWS OF BASALT ROCKS, APPROX DIAMETER 6", EVENLY SPACED AND BURIED 2" INTO THE BASE OF THE CONCRETE PAD.
3. CHAMFER EXPOSED EDGES OF CONCRETE 3/4" UNLESS NOTED.
5. WING WALL IS TO EXTEND FROM 6" ABOVE OUTLET PIPE TO EVEN WITH CONCRETE PAD AT EDGE OF STRUCTURE.

ENERGY DISSIPATOR DETAIL

NOT TO SCALE

*DRYLAND GRASS SEED MIX

SPOKANE COUNTY PUBLIC WORKS, FEBRUARY 1998

GRASS SEED: PROVIDE FRESH, CLEAN, NEW CROP SEED COMPLYING WITH TOLERANCE OF PURITY AND GERMINATION ESTABLISHED BY THE OFFICIAL SEED ANALYSIS OF NORTH AMERICA. PROVIDE SEED MIXTURE COMPOSED OF GRASS SPECIES AND PERCENTAGES AS FOLLOWS:

- 20% ELKA PERENNIAL RYE
- 20% DURAR HARD FESCUE
- 45% COVAR SHEEP/FESCUE
- 15% REUBENS CANADIAN BLUEGRASS

PROVIDE MIXTURE COMPOSED OF GRASS SEED AND FERTILIZER IN PERCENTAGES AS FOLLOWS:
GRASS SEED: 90 LBS. PER ACRE
FERTILIZER: 16-16-16 TIMED RELEASE COMPOSITION, 300 LBS. PER ACRE

ALL SEEDING OF SLOPES SHALL BE DONE IN ACCORDANCE WITH THE W.S.D.O.T. STANDARD SPECIFICATIONS, SEC. 8-01.

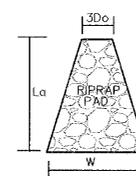
APPLY MULCH PER SECTION 2-5.3.2 IN APPENDIX K OF THE G.S.M.

NOTE: PROVIDE FILTER FABRIC (AMOCO 4545 OR EQUAL) BETWEEN THE NATIVE SOIL AND THE WASHED DRAIN ROCK.

*WARNING - THE USE OF SILTY LOAM IS PROHIBITED AS POND BOTTOM MATERIAL.

POND WITH DRAINAGE STRUCTURE

NOT TO SCALE



TYPICAL RIPRAP PAD

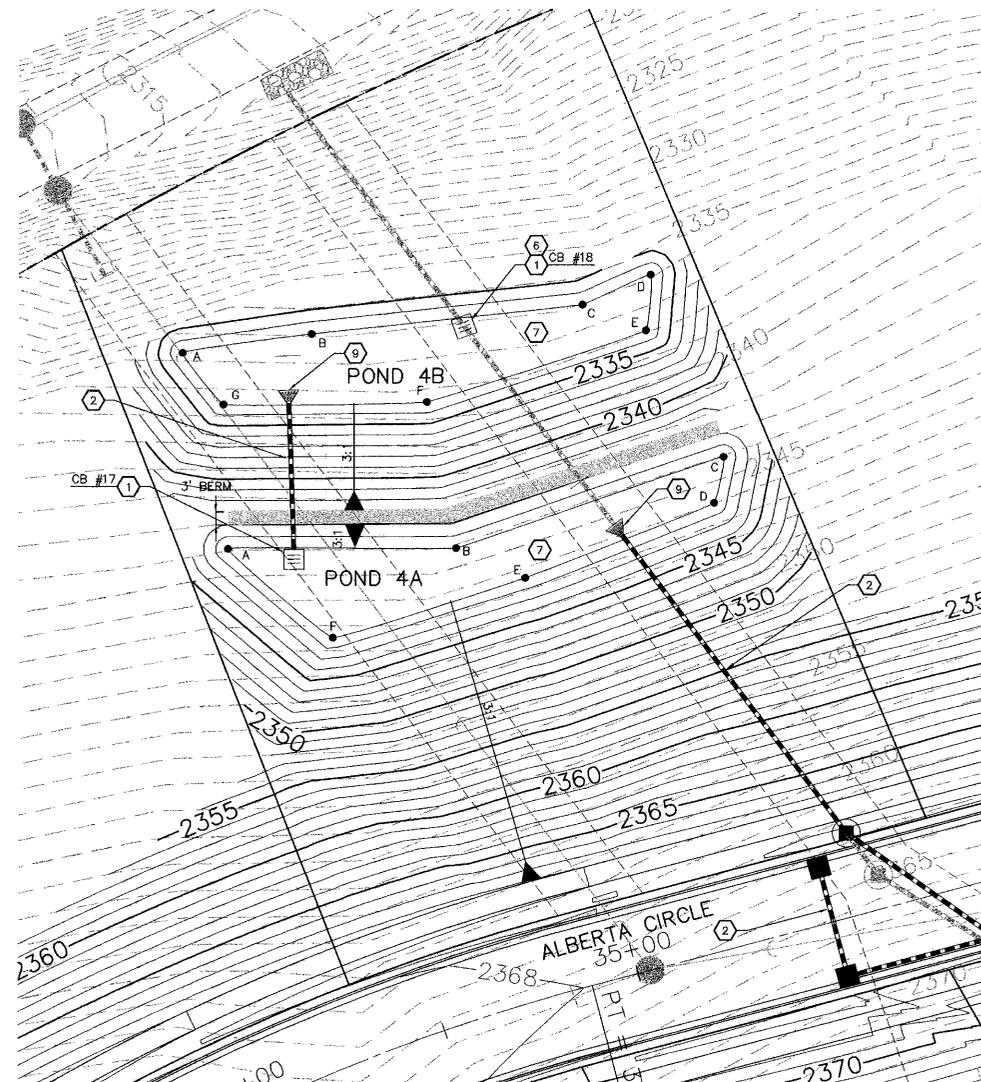
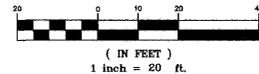
NOT TO SCALE

NOTE:

RIPRAP PAD MUST BE INSTALLED WITH FILTER FABRIC (AMOCO OR EQUAL) BETWEEN THE NATIVE SOIL AND THE WASHED DRAIN ROCK.

POND	30o	La	W	STONE SIZE	THICK.
1A-WEST	6.0'	32.4'	19.0'	5" MIN.	1.0'
1A-EAST	3.0'	10.0'	7.0'	3" MIN.	1.0'
1B-WEST	4.5'	22.0'	13.3'	5" MIN.	1.0'
1B-EAST	3.0'	10.0'	7.0'	2" MIN.	1.0'

GRAPHIC SCALE



POND 4A & 4B DETAIL

SCALE: 1"=20'

POND "4A"
FINISHED GRADE POND BOTTOM EL=2341.00
POND BOTTOM AREA PROVIDED=1618 S.F.
MINIMUM BERM ELEV.=2343.00

POND 4A BOTTOM LOCATION TABLE (ALBERTA ROAD STATION & OFFSET)		
POINT	STATION	OFFSET
A	34+45.83	181.08' LT
B	34+69.30	175.43' LT
C	35+29.32	164.67' LT
D	35+47.54	167.55' LT
E	35+42.87	154.49' LT
F	34+86.43	151.17' LT
G	34+49.72	165.59' LT

POND 4A BOTTOM	
CHORD	LENGTH
A-B	32.33'
B-C	67.44'
C-D	18.46'
D-E	13.87'
E-F	57.09'
F-G	50.42'
G-A	16.36'

POND "4B"
FINISHED GRADE POND BOTTOM EL=2333.00
POND BOTTOM AREA PROVIDED=1764 S.F.
MINIMUM BERM ELEV.=2335.00

POND 4B BOTTOM LOCATION TABLE (ALBERTA ROAD STATION & OFFSET)		
POINT	STATION	OFFSET
A	34+41.11	131.17' LT
B	34+84.35	114.02' LT
C	35+53.35	119.00' LT
D	35+48.12	108.50' LT
E	34+98.14	102.39' LT
F	34+55.01	101.70' LT

POND 4B BOTTOM	
CHORD	LENGTH
A-B	56.49'
B-C	70.06'
C-D	11.73'
D-E	50.35'
E-F	49.90'
F-A	34.10'

CATCH BASIN LOCATION TABLE (ALBERTA ROAD STATION & OFFSET)		
CB#	STATION	OFFSET
17	34+52.77	123.18' LT
18	34+98.87	166.92' LT

NAV'D 88 DATUM

VERTICAL DATUM BASED ON CITY B.M. LOCATED AT THE INTERSECTION OF JOHANSEN ROAD AND FIVE MILE ROAD BRASS CAP MONUMENT = 2401.69 NAVD88 ELEVATION=2388.56

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800-424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG

POND "1A"
FINISHED GRADE POND BOTTOM EL=2378.00
POND BOTTOM AREA PROVIDED=11,502 S.F.
MINIMUM BERM ELEV.=2382.00

POND 1A BOTTOM LOCATION TABLE (HOWSDALE ROAD STATION & OFFSET)		
POINT	STATION	OFFSET
A	17+42.10	91.53' LT
B	18+14.91	91.57' LT
C	18+09.70	40.00' LT
D	17+99.31	39.97' LT
E	17+80.00	72.17' LT
F	17+88.00	72.47' LT
G	17+55.91	52.91' LT
H	17+46.43	53.22' LT

POND 1A BOTTOM	
CHORD	LENGTH
A-B	72.81'
B-C	51.84'
C-D	10.38'
D-E	37.54'
E-F	12.00'
F-G	22.99'
G-H	9.49'
H-A	36.56'

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # 1964
DATE ACCEPTED: 9/1/08
ACCEPTANCE EXPIRES: 9/1/10
PROJECT LAKE MILES PUBLIC
CONTRACTORS: JAMES R. HARRIS
RECORD DRAWINGS: AS SHOWN ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROAD AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED: (509) 477-3300
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION.

Spokane Surveyors
Tippie Center, 104 S. Proje
Blue Ridge WA 99202
SP# 99202
(509) 744-0300

NO.	DATE	REVISION
3	07/03/08	FINAL SUBMITTAL
2	02/27/08	THIRD SUBMITTAL RESPONSE TO COUNTY COMMENTS
1	07/31/08	SECOND SUBMITTAL RESPONSE TO COUNTY COMMENTS

SITE DEVELOPMENT CONSTRUCTION PLANS
JESSE'S BLUFF 3RD
POND DETAILS
WASHINGTON
SPOKANE COUNTY

PROFESSIONAL ENGINEER
JAMES R. HARRIS
36212
7/1/08

Job no. 08-469
DRAWN BY: KJM
DESIGNED BY: JFS
CHECKED BY: JFS
DATE: 07/03/08

POND DETAILS
10 of 13
SHEET

DEVELOPER'S APPROVAL
[Signature]
DATE: 8-22-08

THIS CONSTRUCTION PLAN EXPIRES ONE (1) YEAR FROM DATE OF APPROVAL.

DEVELOPER'S APPROVAL
[Signature]
DATE: _____

AS-BUILT APPROVAL(ENGINEER/SURVEYOR) _____ DATE _____

SEC. 13, T.26 N., R.42 E., W.M.
SPOKANE COUNTY, WASHINGTON

UNDERGROUND SERVICE ALERT

 ONE-CALL NUMBER
 1-800-424-5555
CALL THE SERVICES BEFORE YOU DIG

Sawyers
 Engineering
 104 S. Frank
 Blue Flag Bldg, Suite 305
 Spokane, WA 99201
 (509) 744-0300

SPOKANE COUNTY ENGINEERS OFFICE
 OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
 PROJECT # 19408
 DATE ACCEPTED 11/17/08
 ACCEPTANCE EXPIRES 11/17/11
 PROJECT LANE MILES PUBLIC 0.16
 PROJECT LANE MILES PRIVATE 0.00
RECORD DRAWINGS AS-BUILT ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND REPAIRMENT OF THE ROAD AND DRAINAGE FACILITIES FOR MAINTENANCE. PERMIT REQUIRED! (800) 477-3000 NOTIFY PERMIT ENGINEER 3 BUSINESS DAYS PRIOR TO CONSTRUCTION.

1	10/27/08	1	10/27/08
2	11/17/08	2	11/17/08
3	11/17/08	3	11/17/08
4	11/17/08	4	11/17/08
5	11/17/08	5	11/17/08
6	11/17/08	6	11/17/08
7	11/17/08	7	11/17/08
8	11/17/08	8	11/17/08
9	11/17/08	9	11/17/08
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11	11/17/08	11	11/17/08
12	11/17/08	12	11/17/08
13	11/17/08	13	11/17/08
14	11/17/08	14	11/17/08
15	11/17/08	15	11/17/08
16	11/17/08	16	11/17/08
17	11/17/08	17	11/17/08
18	11/17/08	18	11/17/08
19	11/17/08	19	11/17/08
20	11/17/08	20	11/17/08

SITE DEVELOPMENT CONSTRUCTION PLANS
JESSE'S BLUFF 3RD
 OVERALL GRADING PLAN
 WASHINGTON
 SPOKANE COUNTY

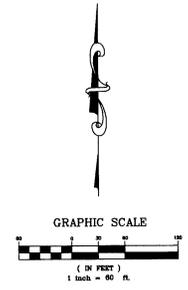
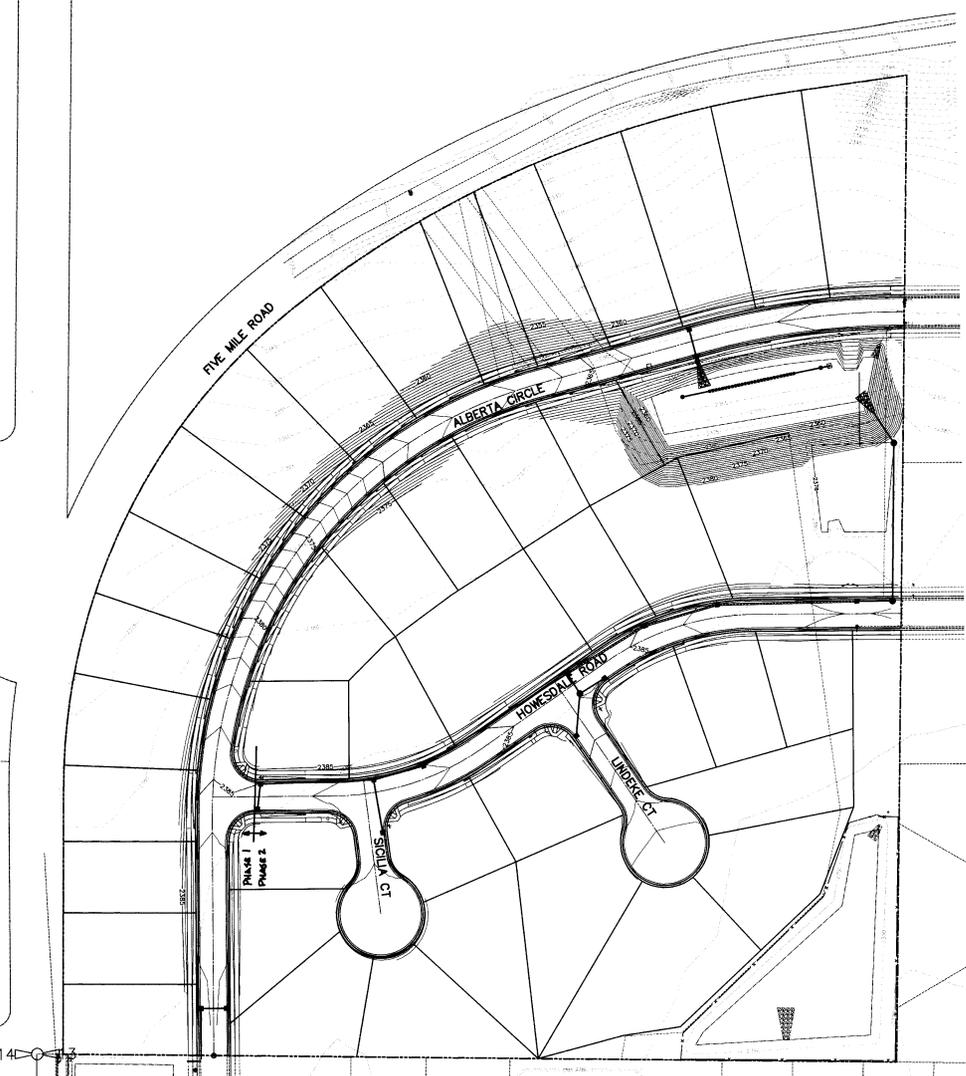


08-469

DATE: 08/05/09

OVERALL GRADING PLAN

11 of 13



DEVELOPER'S APPROVAL

THE UNDERSIGNED DEVELOPER OR HIS ASSIGNS AGREES TO CONSTRUCT IMPROVEMENTS IN ACCORDANCE WITH THIS PLAN, AND UPON COMPLETION, THE DEVELOPER IS RESPONSIBLE FOR SUBMITTING REPRODUCIBLE RECORD DRAWINGS TO BE COMPLETED BY A PROFESSIONAL ENGINEER AND/OR PROFESSIONAL LAND SURVEYOR FOR REVIEW AND APPROVAL BY SPOKANE COUNTY UTILITIES DEPARTMENT AT THE COMPLETION OF CONSTRUCTION.

DEVELOPER'S APPROVAL _____ DATE _____

THIS CONSTRUCTION PLAN EXPIRES ONE (1) YEAR FROM DATE OF APPROVAL.

AS-BUILT APPROVAL(ENGINEER/SURVEYOR) _____ DATE _____

NAVD 88 DATUM
 VERTICAL DATUM BASED ON CITY B.M. LOCATED AT THE INTERSECTION OF JOHANSEN ROAD AND FIVE MILE ROAD. BRASS CAP MONUMENT = 2401.69 NAVD88 ELEVATION=2388.04

P1944
 updated
 Eng. Good drainage

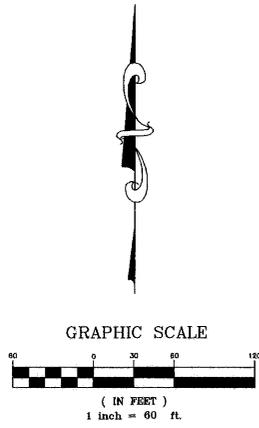
SEC. 13, T.26 N., R.42 E., W.M.
SPOKANE COUNTY, WASHINGTON

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800
424-5555
CALL TWO BUSINESS DAYS
BEFORE YOU DIG

Sayers
Sayers Engineers
Tapio Center, 104 S Freya
Blue Flag Bldg, Suite 305
Spokane, WA 99202
(509) 744-6300



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P-1964
DATE ACCEPTED: 9/11/08
ACCEPTANCE EXPIRES: 9/11/10
PROJECT LAHE MILES PUBLIC: 0.46
PROJECT LAHE MILES PRIVATE: _____
CONSTRUCTION DOCUMENTATION AND CERTIFIED
RECORD DRAWINGS, "AS-BUILT" ARE REQUIRED PRIOR
TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE
ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED! (509) 477-3000
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS
PRIOR TO CONSTRUCTION



NAV'D 88 DATUM
VERTICAL DATUM BASED ON CITY B.M.
LOCATED AT THE INTERSECTION OF
JOHANSEN ROAD AND FIVE MILE ROAD
BRASS CAP MONUMENT = 2401.69
NAVD88 ELEVATION=2388.56

DEVELOPER'S APPROVAL
THE UNDERSIGNED DEVELOPER OR HIS ASSIGNS AGREES TO CONSTRUCT IMPROVEMENTS IN ACCORDANCE WITH THIS PLAN, AND UPON COMPLETION, THE DEVELOPER IS RESPONSIBLE FOR SUBMITTING REPRODUCIBLE RECORD DRAWINGS TO BE COMPLETED BY A PROFESSIONAL ENGINEER AND/OR PROFESSIONAL LAND SURVEYOR FOR REVIEW AND APPROVAL BY SPOKANE COUNTY UTILITIES DEPARTMENT AT THE COMPLETION OF CONSTRUCTION.

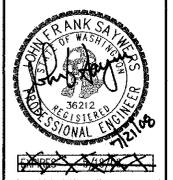
[Signature]
DEVELOPER'S APPROVAL
DATE: 5-22-08

THIS CONSTRUCTION PLAN EXPIRES ONE (1) YEAR FROM DATE OF APPROVAL.

AS-BUILT APPROVAL(ENGINEER/SURVEYOR) _____ DATE _____

NO.	REVISION	DATE
3	FINAL SUBMITTAL	07/03/08
2	THIRD SUBMITTAL/RESPONSE TO COUNTY COMMENTS	02/27/08
1	SECOND SUBMITTAL/RESPONSE TO COUNTY COMMENTS	07/23/08

SITE DEVELOPMENT CONSTRUCTION PLANS
JESSE'S BLUFF 3RD
POND DETAILS
SPokane County WASHINGTON



Job No.	08-469
DRAWN BY:	KJM
DESIGNED BY:	JFS
CHECKED BY:	JFS
DATE:	07/03/08

OVERALL GRADING PLAN

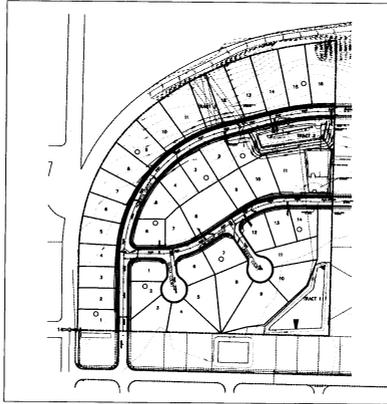
P1964 Eng Paul Dranege

GENERAL NOTES

1. ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH THE "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION, 2001 EDITION," AND AS AMENDED.
2. LOCATIONS OF EXISTING UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. ANY CONFLICTING UTILITIES SHALL BE RELOCATED PRIOR TO CONSTRUCTION OF ROAD AND DRAINAGE FACILITIES.
3. THE CONTRACTOR IS REQUIRED TO HAVE A COMPLETE SET OF THE APPROVED ROAD AND DRAINAGE PLANS ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
4. IF THE CONTRACTOR DISCOVERS ANY DISCREPANCIES BETWEEN THE PLANS AND EXISTING CONDITIONS ENCOUNTERED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER, JOHN SAYMERS, P.E., @ 744-0300, THE SITE/PROJECT INSPECTING ENGINEER OR HIS REPRESENTATIVE, AND THE SPOKANE COUNTY ENGINEER'S OFFICE, CONSTRUCTION ENGINEER, @ 477-3600.
5. FOR CONSTRUCTION OF DRYWELLS, INSTALL FILTER FABRIC, "AMCOQ" #4545 OR APPROVED EQUAL, BETWEEN THE WASHED DRAINROCK AND NATIVE SOILS PER SPOKANE COUNTY STANDARD DETAIL B-16.
6. PRIOR TO SITE CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. CALL THE UNDERGROUND UTILITY LOCATION SERVICE AT 1-800-424-5555, BEFORE YOU DIG.
7. THE FLOOR OF A GRASSED PERCOLATION AREA (GPA) SWALE INCLUDES THE LEVEL PORTION OF THE FLOOR OF THE SWALE, AND THE SIDESLOPES OF THE SWALE UP TO THE GPA OVERFLOW ELEVATION OR TOP OF DRYWELL. THE SOIL LOCATED IN THE FLOOR OF THE GPA SWALE SHALL BE A MEDIUM TO WELL-DRAINING MATERIAL WITH A MINIMUM INFILTRATION RATE OF 0.5 INCHES PER HOUR. THE ENGINEER SHALL PROVIDE A WRITTEN STATEMENT WHICH VERIFIES THAT ALL GPA SWALES CONFORM TO THIS REQUIREMENT. THIS WRITTEN STATEMENT SHALL BE SUBMITTED TO THE SPOKANE COUNTY ENGINEER'S OFFICE PRIOR TO INSTALLING FINISH LANDSCAPING/200 AND PRIOR TO FINAL ACCEPTANCE. THE SWALE FLOOR MATERIAL SHALL BE INSTALLED TO A NATIVE SOIL STRATUM WHICH ALSO MEETS OR EXCEEDS THIS MINIMUM PERCOLATION RATE OF 0.5 INCHES PER HOUR.
8. ON-SITE GRADING SHALL BE IN ACCORDANCE WITH THE APPROVED GRADING PLAN AND ESC PLAN, ANY IMPORT OR EXPORT OF MATERIAL SHALL BE FROM A PREAPPROVED SOURCE/DESTINATION AND COORDINATED WITH THE SPOKANE COUNTY DEPARTMENT OF BUILDING AND PLANNING AT 477-3675. GRADING ON THIS SITE OR ANY OTHER SITE MUST COMPLY WITH ALL DEVELOPMENT REGULATIONS INCLUDING, BUT NOT LIMITED TO, GRADING PERMITS, SEPA REVIEW, TIMBER HARVEST PERMITS, CRITICAL AREAS, FLOODPLAINS, DESIGNATED DRAINAGEWAYS, ETC.
9. THE CONTRACTOR IS REQUIRED TO HAVE A VALID CONSTRUCTION PERMIT ON SITE AT ALL TIMES. THE ABSENCE OF THE PERMIT WILL RESULT IN AN IMMEDIATE SHUTDOWN OF WORK AND THE POSSIBLE REMOVAL OF THOSE ITEMS CONSTRUCTED WITHOUT THE PERMIT.
10. THE CONTRACTOR SHALL MAINTAIN EFFORT TO PROTECT ALL CATCH BASINS AND DRYWELLS FROM BEING CONTAMINATED WITH SILT BY INSTALLING FILTER FABRIC UNDER THE LID FOR AT LEAST 6 WEEKS, OR UNTIL THE ESTABLISHMENT OF GRASS AND/OR OTHER SITE CONSTRUCTION WORK HAS ENDED. IN THE EVENT THAT SILT OR OTHER DELETERIOUS MATERIAL IS ALLOWED TO ENTER THE DRYWELLS OR CATCH BASINS THE CONTRACTOR WILL BE REQUIRED TO CLEAN OUT THE DRYWELL OR CATCH BASIN TO THE SATISFACTION OF THE CERTIFYING ENGINEER.
11. THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH SPOKANE COUNTY AND ALL UTILITY COMPANIES WITH REGARD TO RELOCATIONS OR ADJUSTMENTS OF EXISTING UTILITIES DURING CONSTRUCTION AND TO ASSURE THAT THE WORK IS ACCOMPLISHED IN A TIMELY FASHION AND WITH A MINIMUM DISRUPTION OF SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PARTIES AFFECTED BY ANY DISRUPTION OF ANY UTILITY SERVICE.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY INCLUDING, BUT NOT LIMITED TO, EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL, AND SECURITY.
13. FOR WORK AFFECTING PUBLIC ROADWAYS OR IF REQUIRED BY SPOKANE COUNTY THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL AND PHASING PLAN, IN ACCORDANCE WITH M.U.T.C.D. FOR APPROVAL PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN OR AFFECTING THE RIGHT-OF-WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY AND ALL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED BY SAID PLANS. PRIOR TO INSTALLATION, A PRECONSTRUCTION CONFERENCE SHALL BE HELD WITH SPOKANE COUNTY.
14. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIALS NECESSARY FOR THE COMPLETION OF THE INTENDED IMPROVEMENTS SHOWN ON THESE DRAWINGS OR DESIGNATED TO BE PROVIDED, INSTALLED, CONSTRUCTED, REMOVED OR RELOCATED UNLESS SPECIFICALLY NOTED OTHERWISE.
15. PER AGENCY STANDARDS THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION DEBRIS AND DIRT TRACKED FROM THE SITE.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING RECORD INFORMATION ON A SET OF RECORD DRAWINGS KEPT AT THE CONSTRUCTION SITE AND AVAILABLE TO THE SPOKANE COUNTY INSPECTOR AT ALL TIMES.
17. DIMENSIONS FOR LAYOUT AND CONSTRUCTION ARE NOT TO BE SCALED FROM ANY DRAWING. FOR ADDITIONAL INFORMATION CONTACT THE ENGINEER FOR CLARIFICATION AND NOTE ON THE RECORD DRAWING.
18. ALL EROSION AND SEDIMENT CONTROL (E.S.C.) MEASURES SHALL BE INSTALLED AT THE LIMITS OF CONSTRUCTION PRIOR TO GROUND-DISTURBING ACTIVITY. ALL E.S.C. MEASURES SHALL BE MAINTAINED IN GOOD REPAIR BY THE CONTRACTOR UNTIL SUCH TIME AS THE ENTIRE DISTURBED AREAS ARE STABILIZED WITH HARD SURFACE OR LANDSCAPING.
19. THE CONTRACTOR SHALL SEQUENCE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO MINIMIZE POTENTIAL UTILITY CONFLICTS. IN GENERAL, ROAD SEWER AND SANITARY SEWER SHOULD BE CONSTRUCTED PRIOR TO INSTALLATION OF WATER LINES AND DRY UTILITIES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL UTILITY RELOCATIONS CONSISTENT WITH THE CONTRACTORS SCHEDULE FOR THIS PROJECT, WHETHER SHOWN OR NOT SHOWN, AS IT RELATES TO THE CONSTRUCTION ACTIVITIES CONTEMPLATED IN THESE PLANS.
20. ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY IS SUBJECT TO THE JURISDICTION OF THE SPOKANE COUNTY ENGINEERING DEPARTMENT STANDARD DETAILS AND SPECIFICATIONS.
21. ALL CONSTRUCTION OPERATIONS, INCLUDING THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE OR RUNNING OF TRUCKS, EARTH MOVING EQUIPMENT, CONSTRUCTION EQUIPMENT AND ANY OTHER ASSOCIATED EQUIPMENT SHALL GENERALLY BE LIMITED TO THE TIME PERIOD APPROVED BY SPOKANE COUNTY.
22. BASED ON A REQUIREMENT FROM SPOKANE COUNTY, THE ENGINEER OR HIS DESIGNEE SHALL PERFORM MATERIALS TESTING AND QUALITY CONTROL ON THE PROJECT AND SHALL SUBMIT COPIES OF DAILY REPORTS, TEST REPORTS, PROJECT CERTIFICATION AND RECORD DRAWINGS TO SPOKANE COUNTY ENGINEER.
23. NO REVISIONS SHALL BE MADE TO THESE PLANS WITHOUT THE APPROVAL BY THE SPOKANE COUNTY ENGINEER AND NOTIFICATION OF THE ENGINEER OF RECORD.

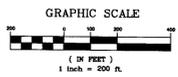
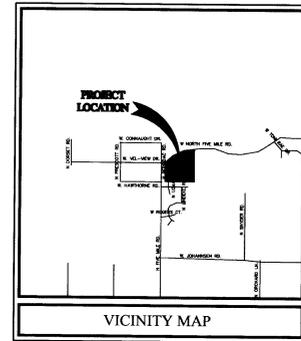
JESSE'S BLUFF 3RD

EROSION CONTROL PLAN SEC.13, T.26 N., R.42E., W.M. SPOKANE COUNTY, WASHINGTON



NAV D 88 DATUM
VERTICAL DATUM BASED ON CITY B.M. LOCATED AT THE INTERSECTION OF JOHANSEN ROAD AND FIVE MILE ROAD
GRASS CAP MONUMENT = 2407.69
NAV D88 ELEVATION=2388.56

UNDERGROUND SERVICE ALERT
1-800 ONE-CALL NUMBER
474-5555
CALL TOLL FREE 24 HOURS
BEFORE YOU DIG



10. PROJECT DESCRIPTION: JESSE'S BLUFF 3RD ADDITION IS A RESIDENTIAL SUBDIVISION CONSISTING OF 40 LOTS AND WILL REQUIRE CONSTRUCTION OF ROADS AND DRY UTILITIES. THE IMPROVEMENTS CONSIST OF APPROXIMATELY 2500 LINEAR FEET OF NEW 30 FEET WIDE STREETS, WITH ASSOCIATED STORM DRAINAGE.
11. CONSTRUCTION OF E.S.C. MEASURES: USE OF SILT FENCES AND ROCK CONSTRUCTION ENTRANCES. ALL E.S.C. MEASURES MENTIONED ABOVE ARE TEMPORARY AND WILL BE REMOVED AFTER YARDS ARE LANDSCAPED.
12. EXISTING VEGETATION: VACANT LAND WITH GRASS AND WEED COVER.
13. PLAN PREPARATION DATE: DECEMBER 11, 2006
14. SOILS: UMa AND Umc SILT LOAMS.
15. STABILIZATION OF DISTURBED AREAS: ANY DISTURBED AREAS, WHICH WOULD BE LEFT BARE FOR MORE THAN 7 DAYS AND ARE NOT INTENDED TO BE REWORKED WITHIN 30-45 DAYS SHALL BE SEEDED WITH A FAST STARTING NATIVE DRYLAND GRASS SUCH AS ANNUAL RYE, OR APPROVED EQUAL, AT A RATE OF 60 lbs/ACRE.
16. CONTROL OF POLLUTANTS: ANY SPILLS WILL BE HANDLED ACCORDING TO D.O.E. AND D.O.H. GUIDELINES.
17. LIMITS OF GRADING: DURING THE COURSE OF CONSTRUCTION, THE AMOUNT OF DISTURBED AREA SHALL BE KEPT TO A MINIMUM AND SHALL BE LIMITED TO THE AREA SHOWN AS "LIMITS OF GRADING" ON THIS SHEET OF THE EROSION CONTROL PLANS.

SPOKANE COUNTY ENGINEERS OFFICE
1100 N. BROADWAY, SPOKANE, WA 99201
CONSTRUCTION PLANS
PROJECT # 08-469
DATE ACCEPTED: 08/05/09
ACCEPTANCE EXPIRES: 12/31/10
PROJECT LAND: MILES PUBLIC
PROJECT LANE: MILES PRIVATE
RECORD DRAWINGS: ALL BUILT AREAS REQUIRED PER SPOKANE COUNTY REQUIREMENTS AND ESTABLISHMENT OF THE PERMIT REQUIRED (800) 477-3600
NOT A PROFESSIONAL BUSINESS DAY
PRIOR TO CONSTRUCTION

EROSION & SEDIMENT CONTROL

GENERAL NOTES AND INFORMATION

1. AN EROSION/SEDIMENT CONTROL (E.S.C.) PLAN IS REQUIRED FOR THIS PROJECT. IMPLEMENTATION OF THE E.S.C. PLAN, AND CONSTRUCTION, MAINTENANCE AND THE RESPONSIBILITY OF THE DEVELOPER UNTIL ALL CONSTRUCTION IS COMPLETED AND ACCEPTED BY THE SPOKANE COUNTY, OR UNTIL VEGETATION IS ESTABLISHED THROUGHOUT THE SITE, AND ACCEPTED BY SPOKANE COUNTY, WHICHEVER IS LATER.
2. APPROVAL OF THE E.S.C. PLAN DOES NOT CONSTITUTE APPROVAL OF ANY OF THE PROPOSED ROAD, STORM DRAINAGE, GRADING AND/OR DESIGN ELEMENTS SHOWN ON THE E.S.C. PLAN.
3. THE EROSION/SEDIMENT CONTROL MEASURES SHOW ARE THE MINIMUM REQUIREMENTS FOR THE ANTICIPATED SITE CONDITIONS. THE CONTRACTOR SHALL INSPECT AND MAINTAIN THESE E.S.C. MEASURES DAILY, AND SHALL MAINTAIN AND UPGRADE THESE MEASURES AS NECESSARY TO PREVENT SEDIMENT-LADEN WATER FROM EITHER FLOWING OFF SITE, OR INTO NEARBY STORM DRAINAGE FACILITIES, SUCH AS DRYWELLS, CULVERTS, OR GALLEYS.
4. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING ROCK CONSTRUCTION ENTRANCES AT ANY AND ALL LOCATIONS USED TO ENTER OR EXIT THE PROJECT SITE. SEE DETAIL SHEET 6.
5. GEOTEXTILE FABRIC IS TO BE PLACED ON THE RIMS OF DRYWELLS, CATCH BASINS AND INLETS UNTIL SUCH TIME THAT THE VEGETATION ON THE SITE IS ESTABLISHED AND THE THREAT OF SEDIMENT DEPOSITION INTO THE DRAINAGE SYSTEM IS MITIGATED.
6. THE SILT FENCES SHALL BE INSTALLED BY THE CONTRACTOR PRIOR TO OTHER SITE WORK, AND MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION.
7. THE CONTRACTOR IS RESPONSIBLE FOR DESIGNATING A LOCATION WHERE CONCRETE TRUCKS AND EQUIPMENT CAN BE WASHED OUT, NOT LOCATED NEAR OR DRAINING INTO A STORM DRAINAGE AREA.
8. PROPERTY OWNER: **BUSTER HEDTMANN**, PERMIT APPLICANT; JOHN SAYMERS, CONTACT PERSON ON SITE; **SEAN MONTEZ**.
9. PROJECT LOCATION: IN SPOKANE COUNTY, IN SECTION 17, TOWNSHIP 25 NORTH, RANGE 42 EAST, W.M.

MAINTENANCE

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF THE TEMPORARY E.S.C. MEASURES.
2. SEDIMENT BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RUNOFF-PRODUCING RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.
3. NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF FILTER FABRIC SHALL BE ACCOMPLISHED PROMPTLY.
4. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RUNOFF-PRODUCING RAINFALL. DEPOSITS MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY 1/2 THE HEIGHT OF THE BARRIER.
5. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE E.S.C. STRUCTURE IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.
6. ALL TEMPORARY AND PERMANENT E.S.C. PRACTICES SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION.
7. ALL TEMPORARY E.S.C. MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY EMP'S ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE REMOVED OR STABILIZED ON SITE. DISTURBED SOIL AREAS RESULTING FROM REMOVAL SHALL BE PERMANENTLY STABILIZED.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING DIRT, MUD AND OTHER CONSTRUCTION DEBRIS WHICH MAY ACCUMULATE ON PAVED STREETS ADJACENT TO THE SITE AS A RESULT OF CONSTRUCTION ACTIVITY. CLEANING SHALL BE ON AN "AS NEEDED" BASIS USING SWEEPING AND WATER TO WASH THE CONSTRUCTION DEBRIS FROM THE STREET.
9. ON-SITE DUST CONTROL SHALL BE ACCOMPLISHED BY USING WATER. APPLICATIONS OF WATER MAY BE REQUIRED SEVERAL TIMES PER DAY DURING CONSTRUCTION ACTIVITY.

THE DESIGN IMPROVEMENTS SHOWN IN THIS SET OF PLANS AND CALCULATIONS CONFORM TO APPLICABLE EDITIONS OF THE SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION AND THE SPOKANE COUNTY GUIDELINES FOR STORMWATER MANAGEMENT. ALL DESIGN DEVIATIONS HAVE BEEN APPROVED BY THE SPOKANE COUNTY ENGINEER. I APPROVE THESE PLANS FOR CONSTRUCTION.

DESIGNER'S APPROVAL

THE UNDERSIGNED DEVELOPER OR HIS ASSIGNS AGREES TO CONSTRUCT IMPROVEMENTS IN ACCORDANCE WITH THIS PLAN, AND UPON COMPLETION, THE DEVELOPER IS RESPONSIBLE FOR SUBMITTING REPRODUCIBLE RECORD DRAWINGS TO BE COMPLETED BY A PROFESSIONAL ENGINEER AND/OR PROFESSIONAL LAND SURVEYOR FOR REVIEW AND APPROVAL BY CITY OF SPOKANE VALLEY AT THE COMPLETION OF CONSTRUCTION.

DEVELOPER'S APPROVAL _____ DATE _____

THIS CONSTRUCTION PLAN EXPIRES ONE (1) YEAR FROM DATE OF APPROVAL.

AS-BUILT APPROVAL(ENGINEER/SURVEYOR) _____ DATE _____

CERTIFICATION STATEMENT: I CERTIFY THAT THIS EROSION AND SEDIMENT CONTROL PLAN MEETS THE E.S.C. REQUIREMENTS AS LISTED IN CHAPTER 4.3 OF THE SPOKANE COUNTY GUIDELINES FOR STORMWATER MANAGEMENT.
John Sayers
ENGINEER

Saymors Engineering
1100 N. BROADWAY
SPOKANE, WA 99201
(509) 744-2000

1. DATE SUBMITTED	08/05/09
2. DATE OF REVISION	08/05/09
3. THIRD PARTY APPROVAL	SPOKANE COUNTY COMPLETED 08/05/09
4. DESIGN SUBMITTAL TO COUNTY	COMPLETED 08/05/09

SITE DEVELOPMENT CONSTRUCTION PLANS
JESSE'S BLUFF 3RD
EROSION CONTROL PLAN
WASHINGTON
SPOKANE COUNTY



08-469
DESIGNED BY: JMS JFS
CHECKED BY: JFS
DATE: 08/05/09
EROSION CONTROL PLAN
12 of 13
P. 1964 updated
Eng. Good drainage

GENERAL NOTES

- ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH THE "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION, 2001 EDITION", AND AS AMENDED.
- LOCATIONS OF EXISTING UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. ANY CONFLICTING UTILITIES SHALL BE RELOCATED PRIOR TO CONSTRUCTION OF ROAD AND DRAINAGE FACILITIES.
- THE CONTRACTOR IS REQUIRED TO HAVE A COMPLETE SET OF THE APPROVED ROAD AND DRAINAGE PLANS ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- IF THE CONTRACTOR DISCOVERS ANY DISCREPANCIES BETWEEN THE PLANS AND EXISTING CONDITIONS ENCOUNTERED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER, JOHN SAYWERS, P.E., @ 744-0300, THE SITE/PROJECT INSPECTING ENGINEER OR HIS REPRESENTATIVE, AND THE SPOKANE COUNTY ENGINEER'S OFFICE, CONSTRUCTION ENGINEER, @ 477-3600.
- FOR CONSTRUCTION OF DRYWELLS, INSTALL FILTER FABRIC, "AMOCO" 4545 OR APPROVED EQUAL, BETWEEN THE WASHED DRAINROCK AND NATIVE SOILS PER SPOKANE COUNTY STANDARD DETAIL B-1g.
- PRIOR TO SITE CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. CALL THE UNDERGROUND UTILITY LOCATION SERVICE AT 1-800-424-5555, BEFORE YOU DIG.
- THE FLOOR OF A GRASSED PERCOLATION AREA (GPA) SWALE INCLUDES THE LEVEL PORTION OF THE FLOOR OF THE SWALE, AND THE SIDESLOPES OF THE SWALE UP TO THE GPA OVERFLOW ELEVATION OR TOP OF DRYWELL. THE SOIL LOCATED IN THE FLOOR OF THE GPA SWALE SHALL BE A MEDIUM TO WELL-DRAINING MATERIAL, WITH A MINIMUM INFILTRATION RATE OF 0.5 INCHES PER HOUR. THE ENGINEER SHALL PROVIDE A WRITTEN STATEMENT WHICH VERIFIES THAT ALL GPA SWALES CONFORM TO THIS REQUIREMENT. THIS WRITTEN STATEMENT SHALL BE SUBMITTED TO THE SPOKANE COUNTY ENGINEER'S OFFICE PRIOR TO INSTALLING FINISHED LANDSCAPING/SOD AND PRIOR TO FINAL ACCEPTANCE. THE SWALE FLOOR MATERIAL SHALL BE INSTALLED TO A NATIVE SOIL STRATUM WHICH ALSO MEETS OR EXCEEDS THIS MINIMUM PERCOLATION RATE OF 0.5 INCHES PER HOUR.
- ONSITE GRADING SHALL BE IN ACCORDANCE WITH THE APPROVED GRADING PLAN AND ESC PLAN. ANY IMPORT OR EXPORT OF MATERIAL SHALL BE FROM A PREAPPROVED SOURCE/DESTINATION AND COORDINATED WITH THE SPOKANE COUNTY DEPARTMENT OF BUILDING AND PLANNING AT 477-3675. GRADING ON THIS SITE OR ANY OTHER SITE MUST COMPLY WITH ALL DEVELOPMENT REGULATIONS INCLUDING, BUT NOT LIMITED TO, GRADING PERMITS, SEPA REVIEW, TIMBER HARVEST PERMITS, CRITICAL AREAS, FLOODPLAINS, DESIGNATED DRAINAGEWAYS, ETC.
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- THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH SPOKANE COUNTY AND ALL UTILITY COMPANIES WITH REGARD TO RELOCATIONS OR ADJUSTMENTS OF EXISTING UTILITIES DURING CONSTRUCTION AND TO ASSURE THAT THE WORK IS ACCOMPLISHED IN A TIMELY FASHION AND WITH A MINIMUM DISRUPTION OF SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PARTIES AFFECTED BY ANY DISRUPTION OF ANY UTILITY SERVICE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY INCLUDING, BUT NOT LIMITED TO, EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL, AND SECURITY.
- FOR WORK AFFECTING PUBLIC ROADWAYS OR IF REQUIRED BY SPOKANE COUNTY THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL AND PHASING PLAN, IN ACCORDANCE WITH M.U.T.C.D. FOR APPROVAL PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN OR AFFECTING THE RIGHT-OF-WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY AND ALL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED BY SAID PLANS. PRIOR TO INSTALLATION A PRECONSTRUCTION CONFERENCE SHALL BE HELD WITH SPOKANE COUNTY.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIALS NECESSARY FOR THE COMPLETION OF THE INTENDED IMPROVEMENTS SHOWN ON THESE DRAWINGS OR DESIGNATED TO BE PROVIDED, INSTALLED, CONSTRUCTED, REMOVED OR RELOCATED UNLESS SPECIFICALLY NOTED OTHERWISE.
- PER AGENCY STANDARDS THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION DEBRIS AND DIRT TRACKED FROM THE SITE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING RECORD INFORMATION ON A SET OF RECORD DRAWINGS KEPT AT THE CONSTRUCTION SITE AND AVAILABLE TO THE SPOKANE COUNTY INSPECTOR AT ALL TIMES.
- DIMENSIONS FOR LAYOUT AND CONSTRUCTION ARE NOT TO BE SCALED FROM ANY DRAWING. FOR ADDITIONAL INFORMATION CONTACT THE ENGINEER FOR CLARIFICATION AND NOTE ON THE RECORD DRAWINGS.
- ALL EROSION AND SEDIMENT CONTROL (E.S.C.) MEASURES SHALL BE INSTALLED AT THE LIMITS OF CONSTRUCTION PRIOR TO GROUND-DISTURBING ACTIVITY. ALL E.S.C. MEASURES SHALL BE MAINTAINED IN GOOD REPAIR BY THE CONTRACTOR UNTIL SUCH TIME AS THE ENTIRE DISTURBED AREAS ARE STABILIZED WITH HARD SURFACE OR LANDSCAPING.
- THE CONTRACTOR SHALL SECURE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO MINIMIZE POTENTIAL UTILITY CONFLICTS. IN GENERAL, STORM SEWER AND SANITARY SEWER SHOULD BE CONSTRUCTED PRIOR TO INSTALLATION OF WATER LINES AND DRY UTILITIES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL UTILITY RELOCATIONS CONSISTENT WITH THE CONTRACTORS SCHEDULE FOR THIS PROJECT, WHETHER SHOWN OR NOT SHOWN, AS IT RELATES TO THE CONSTRUCTION ACTIVITIES CONTEMPLATED IN THESE PLANS.
- ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY IS SUBJECT TO THE JURISDICTION OF THE SPOKANE COUNTY ENGINEERING DEPARTMENT STANDARD DETAILS AND SPECIFICATIONS.
- BASED ON A REQUIREMENT FROM SPOKANE COUNTY, THE ENGINEER OR HIS DESIGNEE SHALL PERFORM MATERIALS TESTING AND QUALITY CONTROL ON THE PROJECT AND SHALL SUBMIT COPIES OF DAILY REPORTS, TEST REPORTS, PROJECT CERTIFICATION AND RECORD DRAWINGS TO SPOKANE COUNTY ENGINEER.
- NO REVISIONS SHALL BE MADE TO THESE PLANS WITHOUT THE APPROVAL BY THE SPOKANE COUNTY ENGINEER AND NOTIFICATION OF THE ENGINEER OF RECORD.

EROSION & SEDIMENT CONTROL

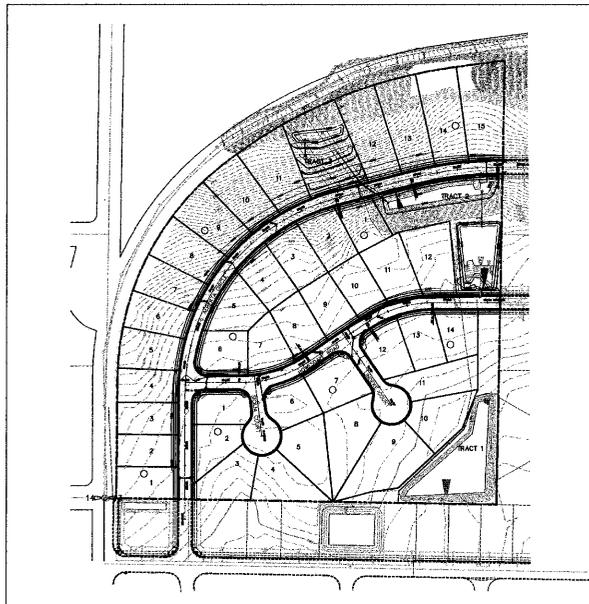
GENERAL NOTES AND INFORMATION

- AN EROSION/SEDIMENT CONTROL (E.S.C.) PLAN IS REQUIRED FOR THIS PROJECT. IMPLEMENTATION OF THE E.S.C. PLAN, AND CONSTRUCTION, MAINTENANCE, AND UPGRADING OF THE E.S.C. FACILITIES ARE THE RESPONSIBILITY OF THE DEVELOPER UNTIL ALL CONSTRUCTION IS COMPLETED AND ACCEPTED BY THE SPOKANE COUNTY, OR UNTIL VEGETATION IS ESTABLISHED THROUGHOUT THE SITE, AND ACCEPTED BY SPOKANE COUNTY, WHICHEVER IS LATER.
- APPROVAL OF THE E.S.C. PLAN DOES NOT CONSTITUTE APPROVAL OF ANY OF THE PROPOSED ROAD, STORM DRAINAGE, GRADING OR UTILITY DESIGN ELEMENTS SHOWN ON THE E.S.C. PLAN.
- THE EROSION/SEDIMENT CONTROL MEASURES SHOWN ARE THE MINIMUM REQUIREMENTS FOR THE ANTICIPATED SITE CONDITIONS. THE CONTRACTOR SHALL INSPECT AND MAINTAIN THESE E.S.C. MEASURES DAILY, AND SHALL MAINTAIN AND UPGRADE THESE MEASURES AS NECESSARY TO PREVENT SEDIMENT-LADEN WATER FROM EITHER FLOWING OFF SITE, OR INTO NEW/EXISTING STORM DRAINAGE FACILITIES, SUCH AS DRYWELLS, CULVERTS, OR GRAVEL GALLERIES.
- THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING ROCK CONSTRUCTION ENTRIES AT ANY AND ALL LOCATIONS USED TO ENTER OR EXIT THE PROJECT SITE. SEE DETAIL SHEET 6.
- GEOTEXTILE FABRIC IS TO BE PLACED ON THE RIMS OF DRYWELLS, CATCH BASINS AND INLETS UNTIL SUCH TIME THAT THE VEGETATION ON THE SITE IS ESTABLISHED AND THE THREAT OF SEDIMENT DEPOSITION INTO THE DRAINAGE SYSTEM IS MITIGATED.
- THE SILT FENCES SHALL BE INSTALLED BY THE CONTRACTOR PRIOR TO OTHER SITE WORK, AND MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR DESIGNATING A LOCATION WHERE CONCRETE TRUCKS AND EQUIPMENT CAN BE WASHED OUT, NOT LOCATED NEAR OR DRAINING INTO A STORM DRAINAGE AREA.
- PROPERTY OWNER: **BUSTER HEITMANN**, PERMIT APPLICANT: JOHN SAYWERS. CONTACT PERSON ON SITE: **SEAN MONTEZ**.
- PROJECT LOCATION: IN SPOKANE COUNTY, IN SECTION 17, TOWNSHIP 25 NORTH, RANGE 42 EAST, W.M.

JESSE'S BLUFF 3RD

EROSION CONTROL PLAN

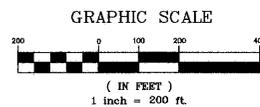
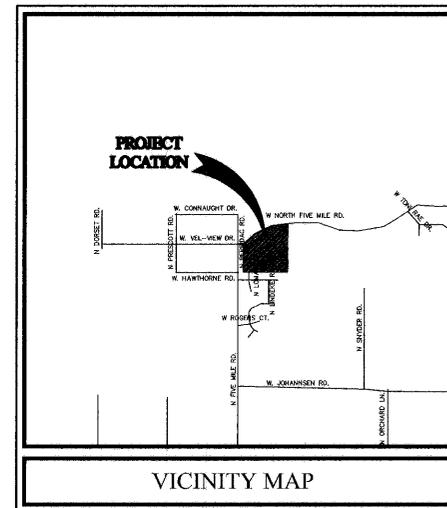
SEC.13, T.26 N., R.42E., W.M.
SPOKANE COUNTY, WASHINGTON



NAV'D 88 DATUM
VERTICAL DATUM BASED ON CITY B.M. LOCATED AT THE INTERSECTION OF JOHANSEN ROAD AND FIVE MILE ROAD
BRASS CAP MONUMENT = 2401.69
NAV'D88 ELEVATION=2388.56

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800-424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG

SAYWERS Engineering
Tapio Center, 104 S. Front
Blue Flag Bldg., Suite 305
Spokane, WA 99202
(509) 744-0300



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # **P-1964**
DATE ACCEPTED: **9/11/08**
ACCEPTANCE EXPIRES: **9/11/10**
PROJECT LANE MILES PUBLIC: **0.86**
PROJECT LANE MILES PRIVATE: _____
CONSTRUCTION LOCALIZATION AND CERTIFIED RECORD DRAWINGS AS-BUILT ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ENFORCEMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED! (208) 477-2500
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION.

- PROJECT DESCRIPTION: **JESSE'S BLUFF 3RD ADDITION** IS A RESIDENTIAL SUBDIVISION CONSISTING OF 40 LOTS AND WILL REQUIRE CONSTRUCTION OF ROADS AND DRY UTILITIES. THE IMPROVEMENTS CONSIST OF APPROXIMATELY 2520 LINEAR FEET OF NEW 30 FEET WIDE STREETS, WITH ASSOCIATED STORM DRAINAGE.
- DESCRIPTION OF E.S.C. MEASURES: USE OF SILT FENCES AND ROCK CONSTRUCTION ENTRANCES. ALL E.S.C. MEASURES MENTIONED ABOVE ARE TEMPORARY AND WILL BE REMOVED AFTER YARDS ARE LANDSCAPED.
- EXISTING VEGETATION: VACANT LAND WITH GRASS AND WEED COVER
- PLAN PREPARATION DATE: DECEMBER 13, 2006
- SOILS: **U_hA AND U_{mc} SILT LOAMS.**
- STABILIZATION OF DENUDED AREAS:**
ANY DISTURBED AREAS, WHICH WOULD BE LEFT BARE FOR MORE THAN 7 DAYS AND ARE NOT INTENDED TO BE REWORKED WITHIN 30-45 DAYS SHALL BE SEEDED WITH A FAST STARTING NATIVE DRYLAND GRASS SUCH AS ANNUAL RYE, OR APPROVED EQUAL, AT A RATE OF 60 lbs/ACRE.
- CONTROL OF POLLUTANTS:**
ANY SPILLS WILL BE HANDLED ACCORDING TO D.O.E. AND D.O.H. GUIDELINES.
- LIMITS OF GRADING:**
DURING THE COURSE OF CONSTRUCTION, THE AMOUNT OF DISTURBED AREA SHALL BE KEPT TO A MINIMUM AND SHALL BE LIMITED TO THE AREA SHOWN AS "LIMITS OF GRADING" ON THIS SHEET OF THE EROSION CONTROL PLANS.

MAINTENANCE

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF THE TEMPORARY E.S.C. MEASURES.
- SEDIMENT BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RUNOFF--PRODUCING RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.
- NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF FILTER FABRIC SHALL BE ACCOMPLISHED PROMPTLY.
- SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RUNOFF--PRODUCING RAINFALL. DEPOSITS MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY 1/2 THE HEIGHT OF THE BARRIER.
- ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE E.S.C. STRUCTURE IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.
- ALL TEMPORARY AND PERMANENT E.S.C. PRACTICES SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION.
- ALL TEMPORARY E.S.C. MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY BMP'S ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE REMOVED OR STABILIZED ON SITE. DISTURBED SOIL AREAS RESULTING FROM REMOVAL SHALL BE PERMANENTLY STABILIZED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING DIRT, MUD AND OTHER CONSTRUCTION DEBRIS WHICH MAY ACCUMULATE ON PAVED STREETS ADJACENT TO THE SITE AS A RESULT OF CONSTRUCTION ACTIVITY. CLEANING SHALL BE ON AN "AS NEEDED" BASIS USING SWEEPING AND WATER TO WASH THE CONSTRUCTION DEBRIS FROM THE STREET.
- ON-SITE DUST CONTROL SHALL BE ACCOMPLISHED BY USING WATER. APPLICATIONS OF WATER MAY BE REQUIRED SEVERAL TIMES PER DAY DURING CONSTRUCTION ACTIVITY.

CERTIFICATION STATEMENT: I CERTIFY THAT THIS EROSION AND SEDIMENT CONTROL PLAN MEETS THE E.S.C. REQUIREMENTS AS LISTED IN CHAPTER 4.5 OF THE SPOKANE COUNTY GUIDELINES FOR STORMWATER MANAGEMENT.

ENGINEER

THE DESIGN IMPROVEMENTS SHOWN IN THIS SET OF PLANS AND CALCULATIONS CONFORM TO APPLICABLE EDITIONS OF THE SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION AND THE SPOKANE COUNTY GUIDELINES FOR STORMWATER MANAGEMENT. ALL DESIGN DEVIATIONS HAVE BEEN APPROVED BY THE SPOKANE COUNTY ENGINEER. I APPROVE THESE PLANS FOR CONSTRUCTION.

DEVELOPER'S APPROVAL

THE UNDERSIGNED DEVELOPER OR HIS ASSIGNS AGREES TO CONSTRUCT IMPROVEMENTS IN ACCORDANCE WITH THIS PLAN, AND UPON COMPLETION, THE DEVELOPER IS RESPONSIBLE FOR SUBMITTING REPRODUCIBLE RECORD DRAWINGS TO BE COMPLETED BY A PROFESSIONAL ENGINEER AND/OR PROFESSIONAL LAND SURVEYOR FOR REVIEW AND APPROVAL BY CITY OF SPOKANE VALLEY AT THE COMPLETION OF CONSTRUCTION.

[Signature]
DEVELOPER'S APPROVAL
8-22-08
DATE

THIS CONSTRUCTION PLAN EXPIRES ONE (1) YEAR FROM DATE OF APPROVAL.

AS-BUILT APPROVAL(ENGINEER/SURVEYOR)

DATE

NO.	REVISION	DATE
1	FINAL SUBMITTAL	07/03/08
2	THIRD SUBMITTAL/RESPONSE TO COUNTY COMMENTS	07/27/08
3	SECOND SUBMITTAL/RESPONSE TO COUNTY COMMENTS	01/31/08

SITE DEVELOPMENT CONSTRUCTION PLANS

JESSE'S BLUFF 3RD
EROSION CONTROL PLAN

SPOKANE COUNTY WASHINGTON

300 No. **08-469**
DRAWN BY: **KJM** DESIGNED BY: **JFS**
CHECKED BY: **JFS** DATE: **07/03/08**

EROSION CONTROL PLAN

12 of 13
SHEET

P1964 Eng. Cond. Drainage

PERKINS PROJECTS 88808-445 JESSE'S BLUFF 3RD EROSION CONTROL PLAN 08-469 08-22-08

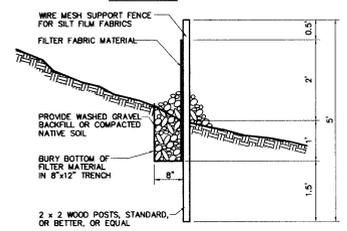
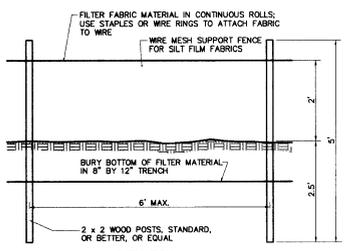
SEC. 13, T.26 N., R.42 E., W.M.
SPOKANE COUNTY, WASHINGTON
LEGEND

- (ID) GRAVEL AND WIRE MESH INLET SEDIMENT FILTER
- X SILT FENCE. SEE DETAIL 1 AND GENERAL NOTE 5.
- (Rock symbol) ROCK CONSTRUCTION ENTRY. SEE DETAIL 2 AND GENERAL NOTE 6.

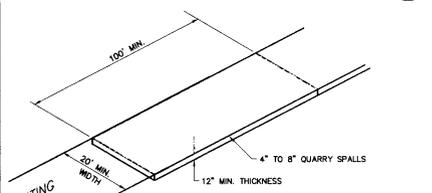
UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800-424-5555
CALL THE BUSINESS DAYS BEFORE YOU DIG

NAV'D 88 DATUM
VERTICAL DATUM BASED ON CITY, B.M. LOCATED AT THE INTERSECTION OF JOHANSEN ROAD AND FIVE MILE ROAD. BRASS CAP MONUMENT = 2401.69 NAVD88 ELEVATION=2388.56

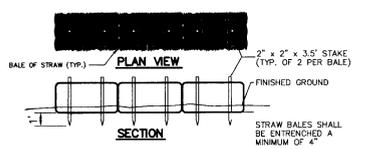
SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # 2019-01
DATE ACCEPTED 08/05/19
ACCEPTANCE EXPIRES 08/05/21
PROJECT LAINE MILES PUBLIC UTILITIES
CONSTRUCTION, OCCUPATION AND OPERATED RECORD DRAWINGS. ALL RIGHTS ARE RESERVED FROM THIS DATE. THESE DRAWINGS ARE FOR THE USE OF THE ROAD AND DR. MADE FACILITIES FOR MAINTENANCE. PRINT 1/8"=1'-0" (SCALE 47/800) NOTIFY: CIVIL ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION



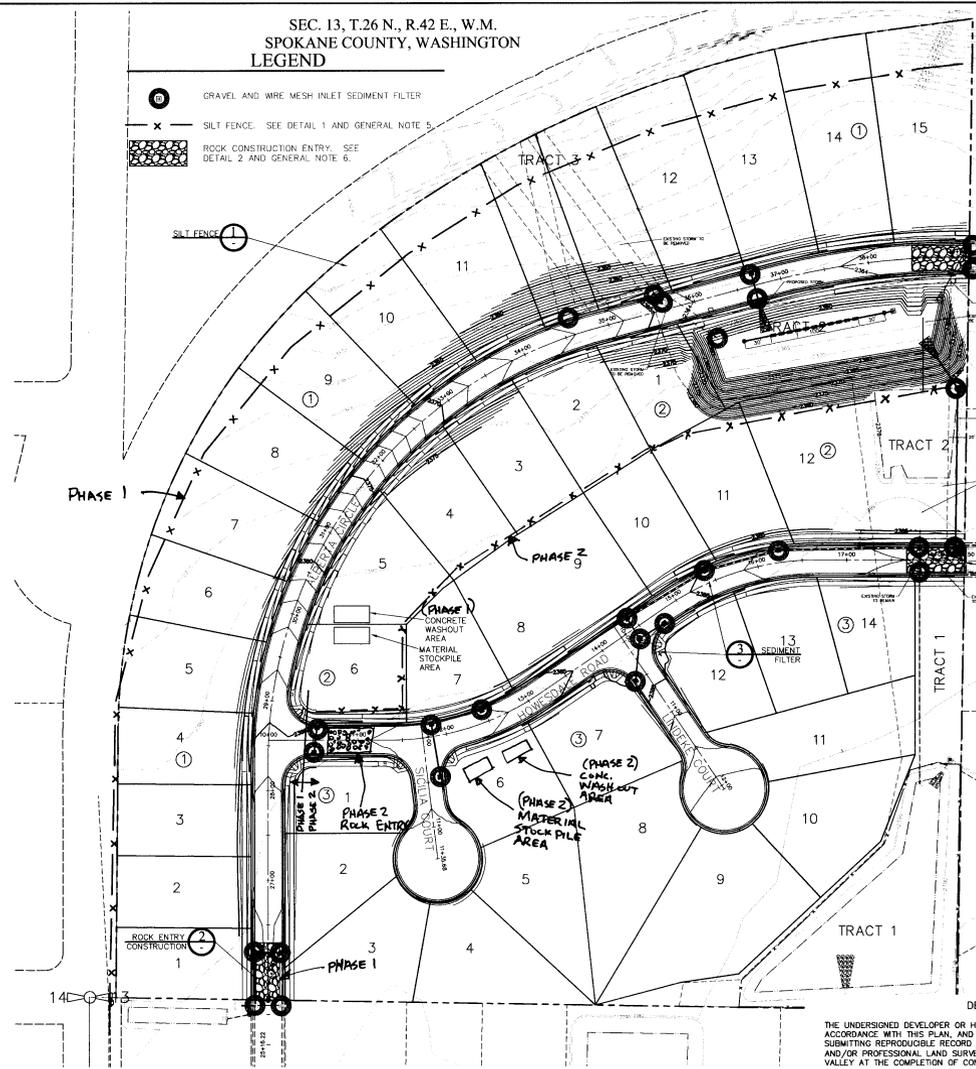
SILT FENCE DETAIL
NOT TO SCALE



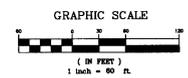
ROCK CONSTRUCTION ENTRY
NOT TO SCALE



STRAW BALE DETAIL
NOT TO SCALE



(Phase 2) ROCK ENTRY CONSTRUCTION



DEVELOPER'S APPROVAL

THE UNDERSIGNED DEVELOPER OR HIS ASSIGNS AGREES TO CONSTRUCT IMPROVEMENTS IN ACCORDANCE WITH THIS PLAN, AND UPON COMPLETION, THE DEVELOPER IS RESPONSIBLE FOR SUBMITTING REPRODUCIBLE RECORD DRAWINGS TO BE COMPLETED BY A PROFESSIONAL ENGINEER AND/OR PROFESSIONAL LAND SURVEYOR FOR REVIEW AND APPROVAL BY CITY OF SPOKANE VALLEY AT THE COMPLETION OF CONSTRUCTION.

NOTE: PHASE 1 SILT FENCE TO REMAIN IN PLACE UNTIL PHASE 2 SILT FENCE IS IN PLACE AND PHASE 1 SOIL IS STABLE.

DEVELOPER'S APPROVAL	DATE
THIS CONSTRUCTION PLAN EXPIRES ONE (1) YEAR FROM DATE OF APPROVAL.	
AS-BUILT APPROVAL(ENGINEER/SURVEYOR)	DATE

Sayers Engineering
104 S. Blue Ring Blvd, Suite 205
Spokane, WA 99201
(509) 744-4200

NAME	DATE
1. M. LARSEN, LICENSE NO. 100000000000	08/05/19
2. T. HARRIS, LICENSE NO. 100000000000	08/05/19
3. T. HARRIS, LICENSE NO. 100000000000	08/05/19
4. SECOND SUBMITTAL RESPONSE TO COUNTY COMMENTS	08/05/19

SITE DEVELOPMENT CONSTRUCTION PLANS
JESSE'S BLUFF 3RD
EROSION CONTROL PLAN & DETAILS
WASHINGTON
SPOKANE COUNTY

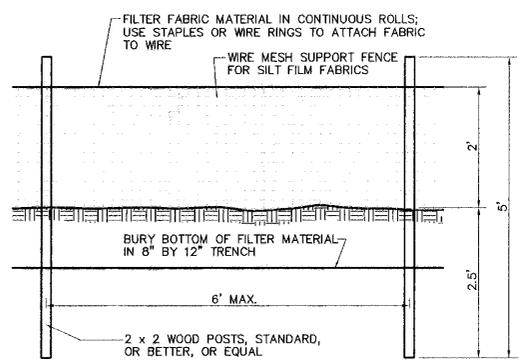
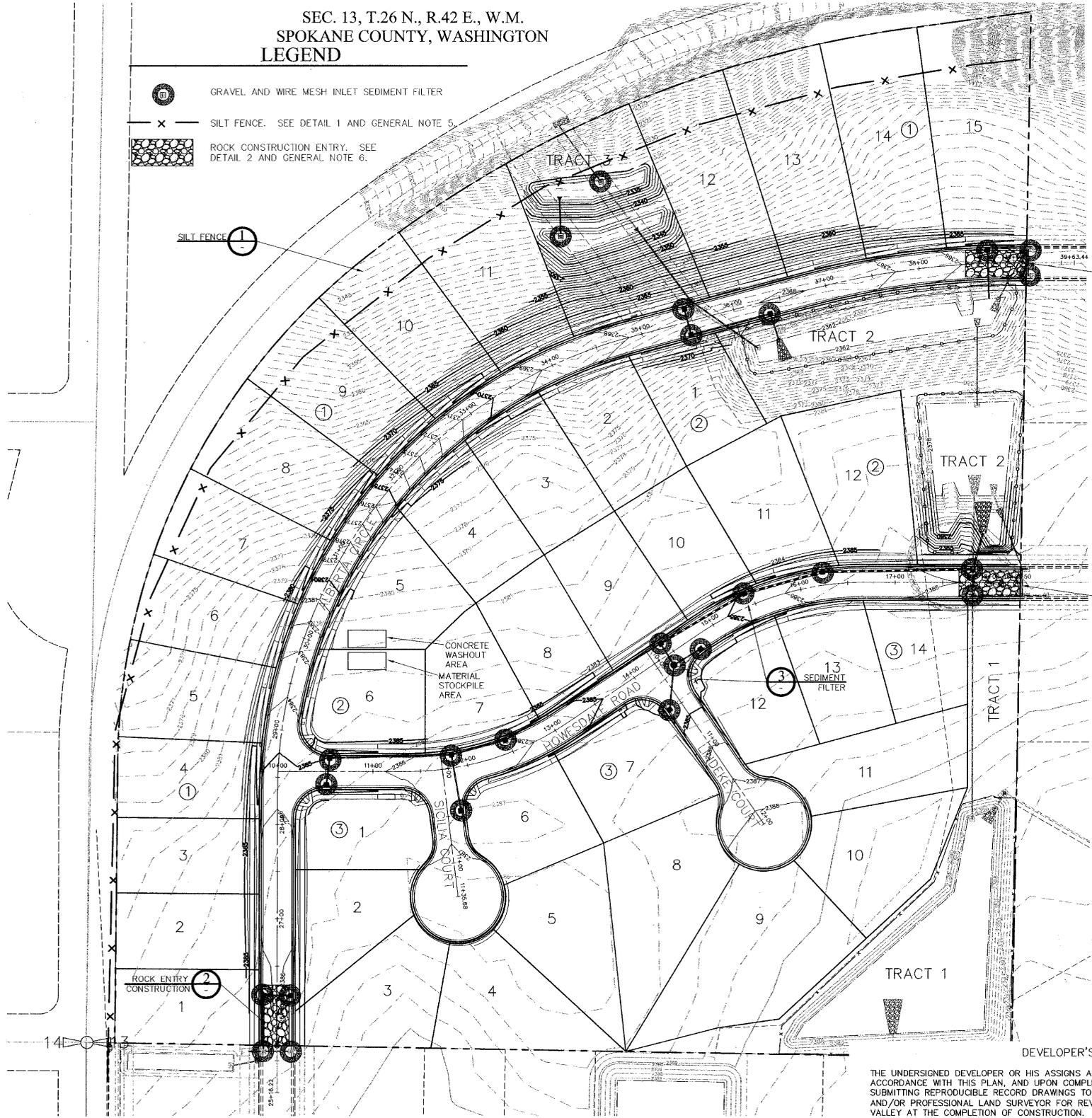


08-469
DRAWN BY: KJM
CHECKED BY: JFS
DATE: 08/05/19
EROSION CONTROL PLAN & DETAILS
SHEET 13 OF 13

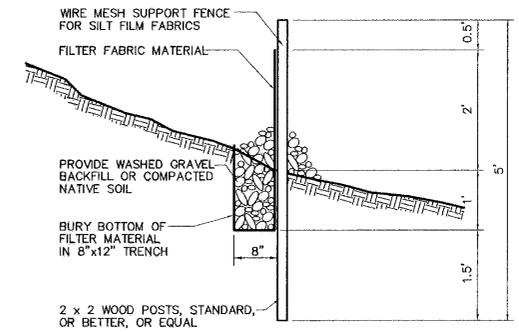
P.1964 updated
Eng. Fred DeMaggio

SEC. 13, T.26 N., R.42 E., W.M.
SPOKANE COUNTY, WASHINGTON
LEGEND

-  GRAVEL AND WIRE MESH INLET SEDIMENT FILTER
-  SILT FENCE. SEE DETAIL 1 AND GENERAL NOTE 5.
-  ROCK CONSTRUCTION ENTRY. SEE DETAIL 2 AND GENERAL NOTE 6.



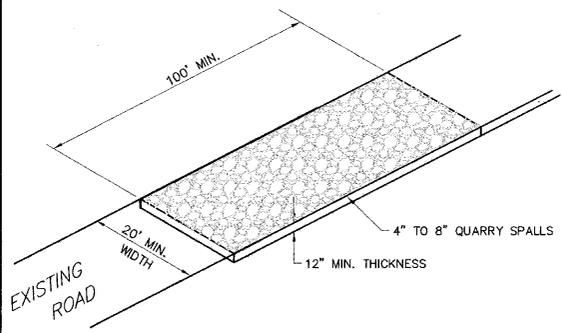
ELEVATION



SILT FENCE DETAIL

NOT TO SCALE

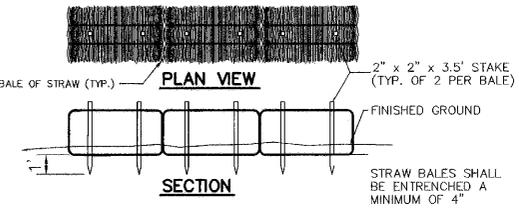
1



ROCK CONSTRUCTION ENTRY

NOT TO SCALE

2



STRAW BALE DETAIL

NOT TO SCALE

3

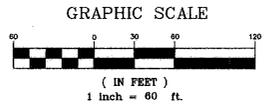
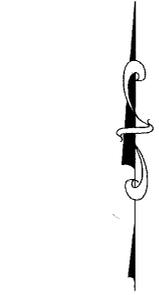
UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
1-800-424-5555
CALL TWO BUSINESS DAYS BEFORE YOU DIG

NAV'D 88 DATUM
VERTICAL DATUM BASED ON CITY B.M. LOCATED AT THE INTERSECTION OF JOHANSEN ROAD AND FIVE MILE ROAD BRASS CAP MONUMENT = 2401.69 NAVD88 ELEVATION=2388.56

2 ROCK ENTRY CONSTRUCTION

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P-1964
DATE ACCEPTED: 9/17/08
ACCEPTANCE EXPIRES: 9/17/09
PROJECT LAISE MILES PUBLIC
PROJECT LAISE MILES PUBLIC
CONSTRUCTION DOCUMENTS AND CERTIFIED RECORD DRAWINGS, "AS-BUILT" ARE PROVIDED PRIOR TO COUNTY ACCEPTANCE AND SCHEDULED FOR THE ROADS AND UTILITY FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED! (509) 477-3000
NOTIFY PERMIT ENGINEER & BUSINESS DAYS PRIOR TO CONSTRUCTION

2 ROCK ENTRY CONSTRUCTION



DEVELOPER'S APPROVAL

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John Frank Sawyer
DEVELOPER'S APPROVAL

9-22-08
DATE

THIS CONSTRUCTION PLAN EXPIRES ONE (1) YEAR FROM DATE OF APPROVAL.

AS-BUILT APPROVAL(ENGINEER/SURVEYOR)

DATE

Sawyer Engineering
104 S. Frank
Blue Flag Bldg. Suite 305
Spokane, WA 99202
(509) 744-0300

NO.	REVISION	DATE
1	FINAL SUBMITTAL RESPONSE TO COUNTY COMMENTS	07/03/08
2	SECOND SUBMITTAL RESPONSE TO COUNTY COMMENTS	07/17/08

SITE DEVELOPMENT CONSTRUCTION PLANS
JESSE'S BLUFF 3RD
EROSION CONTROL PLAN & DETAILS
SPOKANE COUNTY WASHINGTON

JOHN FRANK SAWYER
REGISTERED PROFESSIONAL ENGINEER
36212
7/21/08

sub no.	08-469
DRAWN BY:	KJM
DESIGNED BY:	JFS
CHECKED BY:	JFS
DATE:	07/03/08

EROSION CONTROL PLAN & DETAILS

13 OF 13